

FWD.

ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS GEN. JOHN POPE TAP 110

FROM Nov-30 **19** 65 **TO** Apr 4 **19** 66

F. d.

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the ship, and with pen and ink or idelible pencil. No erasures nor the removal of any pages will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or idelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.
2. All entries of time shall be made on the 24-hour basis, noon-to-noon.
3. Under the heading "REMARKS" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, including violations of orders or regulations. Entries should be preceded by the time when pertaining to important tests, casualties, injuries, etc.
4. Entries regarding the following shall also be made when occurring:
 - (a) Repairs accomplished during watches.
 - (b) Faulty or erratic operation or failure of machinery.
 - (c) Any important changes in machinery of any nature or additions thereto.
 - (d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; details to be recorded in Machinery History.
 - (e) Pumping of bilges.
 - (f) Blowing of tubes (*not applicable to Diesel and Diesel Electric*).
 - (g) Examining holding down bolts.
 - (h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.
 - (i) Record of special tests, i.e., running idle pumps, reach rods to valves, hydrostatic.
 - (j) Derelictions or deficiencies developed on the part of any member of the engine department.
 - (k) Filtering and cleaning elements installed in fuel and lube oil lines.
5. In twin screw ships when the machinery for each propeller is in separate Engine rooms, two books shall be utilized and each book shall be properly marked to indicate to which Engine room machinery it applies. When both Engines of a twin screw ship are in the same Engine space, proper identification of operating machinery will be pre-printed on each page or hand written on each page prior to daily operations.
6. The log books shall be retained on board unless required temporarily by the administrative commander and destroyed when three years old.

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE								
GLEN JOHN POPE TAPU		1.A		OAKLAND		OKINAWA?		P2		11-30/12-1-65								
WATCH																		
<table><tr><td></td><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr></table>													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
WATCH																		
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	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
MACH. PARTICULARS (CONT'D)																		
TEMPERATURES (CONT'D)																		
PRESSURES (CONT'D)																		
MISCELLANEOUS																		
MACHINERY PARTICULARS																		
PRESSURES																		
TEMPERATURES																		
MISCELLANEOUS																		
GENERATORS																		
FUEL - WATER AND LUBE OIL																		
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
SUMMARY																		

1200-1600 WATCH

UNDERWAY, 10 NOZZLES - MACHY IN OPERATION - #1 & 2 BOILERS - #1 & 2 F.D. FANS -
 #1 & 2 D.C. GENS - #1 & 2 MN. ~~F.D.~~ PUMPS - #1 & 2 F.O. SERVICE PUMPS - #1 MN. COND. PUMP - L.O.
 PURIFIER - L.O. SERVICE PUMP - #1 ~~SEA~~ F.W. PUMP - CONTAMINATED EVAP - M.H. EVAP -
 STBD. BOILER ON CONSTANT BLOW THRU M.H. EVAP - F.O. SUCTION FROM INBD. H1 SUCT. -
 ELECTRICIANS WORKING ON SANITARY PUMP - ROUTINE ROUNDS & INSPECTIONS - PUMPED BILGES
 ABANDON SHIP DRILL @ 1517 STBY @ 1517 SECURED FROM DRILL @ 1528 H @ 1528
 C-72368100 F.O.M. 5 1622790 COND. 0.41 GPF. WATCH ENGR'S SIGNATURE: William H. Leggett

1600-2000 WATCH

UNDERWAY AS STATED ABOVE: BLEW TUBES #1 & 2 BOILERS
 Doctine Watch carried out
 Complied w/dep orders:
 Reduced speed to 2 RPM @ 1955 #2 Boiler output insufficient, F.D. BLW
 Not up to speed found Relay stuck in controller:

WATCH ENGR'S SIGNATURE: William H. Leggett

2000-2400 WATCH

14 NOZZS. @ 2005, RETARD CLOCK 20 MINS. @ 2300. PUMPED BILGES.
 MADE ROUTINE INSPECTIONS OF MACHINERY AND SPACES, COMPLIED WITH NIGHT AND
 STANDING ORDERS, CHANGED OVER TO F.O. HIGH SUCTION OUTBD. @ 2400.

F.O.M. P-4946510 S-1625540 C-72435900

WATCH ENGR'S SIGNATURE: Roger C. Delfino

2400-0400 WATCH

MACHY AS BEFORE - RETARDED CLOCK 20 MIN. @ 0100 - TESTED COND. FROM L.P. EVAP
 DRAIN & STARTED FEEDING TO D.C. HTR. - ADDED 15 GAL. L.O. TO #2 MN. F.D. PUMP - CLEANED
 L.O. PURIFIER BACK ON SUMP TO SUMP - @ 0245 #2 F.D. BLOWER STOPPED ON OVERLOAD RELAY
 RESET SAME - CLEANED BILGE STRAINER; L.O. STRAINERS ON #1 & 2 GENS, F.O. DISCHARGE
 STRAINER - PUMPED BILGES - 0300 #1 STBD D/TANK MEASURED 1' - STARTED FILLING FROM
 FW TANK. ENFORCED EVAP UTILITY TO KEEP CONSTANT CHECK ON SALINITY - COMPLIED WITH NITE ORDERS -
 M/COND. - 0.41 C - FOM. 3/4 WATCH ENGR'S SIGNATURE: William H. Leggett

0400-0800 WATCH

UNDERWAY 14 NOZ: #2 BOILER F.O. RECIRC LINE SECURED
 BYPASS VALVE (hand jack) Leaking by, X OVERS OPEN FROM PUMPS, F.O. PRES
 Controlled from #2 Boiler HAND-JACK BYPASS: CLOCK RETARDED 20 MIN @ 0500:
 Blew Down M.U.F & CONT EVAP: #1 BOILER ON CONT. BLOW TO EVAP.
 #1 BOILER FIREBOX SIGHT GLASS BROKE WHILE FIREMAN BOWMAN WAS MAKING INSPECTION
 @ 0645, BOWMAN SENT TO SICK BAY FOR MEDICAL ATTENTION; BOWMAN RETURNED TO ER @ 0648
 AS TOLD TO REPORT BACK @ 0900: WATCH ENGR'S SIGNATURE: Roger C. Delfino

0800-1200 WATCH

BLEW TUBES P-S BOILERS, 16 NOZZS. @ 0830. CHANGED AND CLEANED F.O. SUCT. AND
 DISCH. STRAINERS. CHANGED AND CLEANED L.O. STRAINERS No. 1-2 D.C. GENS.
 CHANGED OVER SETTS @ 1120, H1 SUCT OUTBD.

P-4950060 S-1629600 C-72503714

WATCH ENGR'S SIGNATURE: Roger C. Delfino

CHIEF ENGINEER

30	P	S
P.A	130	330
T.A	150	410
CH	71	712
PH	70	15
STM HRS	33	84

CHIEF ENGR'S SIGNATURE: Roger C. Delfino

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
GEN JOHN POPE TAP 110		1A		OAKLAND MSD		OKINAWA ?		P2		12-1/2-65					
		WATCH								WATCH					
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200			
RUNNING TIME		240		240		260		260		260		240			
DETENTION TIME															
REVOLUTION COUNTER (END OF WATCH)		7252 8160		725 50610		7257 4290		7259 5800		726 14560		7263 4540			
TOTAL REVOLUTIONS (FOR WATCH)		22510		22450		23680		24510		18760		19980			
AVERAGE RPM		93.8		93.5		91.0		82.7		72.0		83.2			
F.O. METER (END OF WATCH)		S 1630850		32130		33710		53720		56130		56880			
F.O. CONSUMED		2370		3050		2450		2450		3310		2610			
THROTTLE		420		420		420		420		430		430			
H.P. AHEAD		410		410		410		380 330		330		410			
L.P. AHEAD															
VACUUM		28.5"		28.5		28.0"		28.0"		28.0		27.75"			
L.O. TO TURBINES		12		12		12		12		12		12			
AUX. STEAM		140		140		140		150		140		140			
BACK PRESSURE		12		12		12		12		12		12			
GLAND STEAM		3.5		3.5		4		4		4		4			
H.P. BLEEDER															
I.P. BLEEDER															
L.P. BLEEDER															
STEAM AT THROTTLE		710		710		715		700		670		700			
L. P. EXHAUST		95		90		98		98		86		86			
CONDENSATE		88		88		88		88		84		72			
CIRC. WATER IN		68		68		68		68		69		70			
CIRC. WATER OUT		75		77		78		78		76		80			
L.O. TO COOLERS		125		126		126		125		124		124			
L.O. FROM COOLERS		110		110		110		110		110		108			
TEMPERATURE THRUST BEARING		116		116		116		115		115		115			
FORWARD H.P. ROTOR BEARING		124		122		140		120		120		128			
AFT. H.P. ROTOR BEARING		136		135		135		130		128		130			
FORWARD L.P. ROTOR BEARING		123		122		125		120		117		120			
AFT. L.P. ROTOR BEARING		128		127		130		122		124		130			
HOTTEST GEAR BEARING FORWARD		138		144		145		140		132		130			
HOTTEST GEAR BEARING AFT		134		140		130		130		135		128			
AUX. COND. CONDENSATE		88		88		88		88		84		89			
1ST STAGE FEED WATER HEATER															
D. C. FEED WATER HEATER		246		246		246		246		244		240			
3RD STAGE FEED WATER HEATER															
SUPER HEAT		P													
F.O. TO BURNERS		200		200		200		200		200		200			
AIR TO FURNACE		P 121		120		120		120		114		118			
F.O. TEMP. IN SETTLING TANKS		S 115		113		114		114		103		110			
PORT BOILER UPTAKE															
STBD. BOILER UPTAKE															
F. O. BACK PRESSURE															
MAIN STEAM		440		440		440		440		440		440			
F.O. TO BURNERS		160		170		170		250		250		190			
MAIN COND. SALINITY		.85		2.49		0.2		.41		0.83		0.2			
ENGINE ROOM TEMPERATURE		83		83		84		80		76		77			
FIRE ROOM TEMPERATURE		83		83		84		80		76		77			
NOZZLES IN USE		16		16		16		THROTTLE		27.75"		16			
NO. OF BURNERS IN USE		P 3		3		3		2		2		3			
BURNER TIP SIZE		S 3		3		3		2		2		3			
CO2 % PORT BOILER		53/70		53/70		53/70		53/70		53/70		53/70			
CO2 % STBD. BOILER		53/70		53/70		53/70		53/70		53/70		53/70			
OIL LEVEL MAIN SUMP		NORM		NORM		NORM		NORM		NORM		NORM			
FUEL OIL		METER AT NOON								ON HAND AT START OF DAY					
		METER PREVIOUS NOON								EVAPORATED OR RECEIVED					
		CONSUMED BY METER								ON HAND					
		ON HAND AT START OF DAY								CONSUMED					
		RECEIVED DURING DAY								ON HAND AT START OF DAY					
		EXPENDED DURING DAY								RECEIVED					
		REMAINING ON BOARD								ON HAND					
DOMESTIC WATER		ON HAND AT START OF DAY								CONSUMED					
		EVAPORATED OR RECEIVED								ON HAND					
		ON HAND								RECEIVED					
		CONSUMED								CONSUMED					
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)															
L.O. CENTRIFUGE - HOURS OPERATED															
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200			
		4		4		4		4		4/100		4			
SUMMARY															
		RUNNING TIME								PROPELLER SLIP (%)					
		DETENTION TIME								BBL FUEL/MI					
		TOTAL REVOLUTIONS								WIND DIRECTION					
		AVERAGE R.P.M.								STATE OF SEA					
		TOTAL MILES BY ENGINE								STATE OF WEATHER					
		TOTAL MILES BY OBSERVATION													

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZ. - MACHINERY IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.D. FANS -
 #1 & #2 M.V. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.V. F.D. PUMPS - #1 & #2 D.C. GENs.
 STBD STEERING MOTOR - #1 M.V. COND. PUMP - #1 F.W. PUMP - L.O. PURIFIER ON SUMP TO SUMP - L.O.
 ELEC. SERVICE PUMP - M.V. & CONTAMINATED EVAPS - STBD BOILER ON CONSTANT BLOW
 THRU M.V. EVAP. - ENG. UTILITYMEN WORKING ON BILGE MAIN MANIFOLD - CLEANED F.O. DIS.
 STRAINERS - CLEANED M.V. L.O. STRAINER - ROUTINE ROUNDS & INSPECTIONS - 1545 - CHANGED FW SUCT TO #3 PORT
 C-72528160 FOM P-4951180 S-1630850 WATCH ENGR'S SIGNATURE: William M. Suggs

1600-2000 WATCH

UNDERWAY & MACH AS ABOVE EXCEPT CONSTANT BLOW TO
 EVAP FROM #1 BLR SEC. SUCTION RES F&TK: M.V.F. SUCT FROM DW DBTK
 3'8" @ 1930: PUMPING #1 DB PORT INTO #1 STBD RES TK: HEAT ON
 #3 F.O. TK. SETT.:

WATCH ENGR'S SIGNATURE: C. J. Foy

2000-2400 WATCH

SECURED HTNG. STM. TO NO. 3 F.O. SETTLER @ 2005 - ENG. RM. TELEPHONE OUT OF ORDER
 BRIDGE NOTIFIED - HELD ENGRNG. CASUALTY DRILL FROM 2130 TO 2200. F.W.T. MASSEY,
 OILER HEMDEL, JR. ENGR. LYNG, AND WATCH ENGR. PARTICIPATED. SUBJECT OF DRILL, LOW WATER
 IN THE BOILER, LOSS OF F.O. PRESS, BRIDGE NOTIFIED. RETARDED CLOCK 20 MINS. @ 2300

C-72574290 FOM P-4953720 S-1633710

WATCH ENGR'S SIGNATURE: Ryan C. Dill

2400-0400 WATCH

MACHINERY AS BEFORE EXCEPT REDUCED SPEED TO 80 RPM B/O BRIDGE @ 0245
 CLOSED 6 NOZZLES & USING THROTTLE - CLOSED H.P. BLEEDER & OPENED 150"
 REDUCING STATION - CONDUCTED ENG. CASUALTY DRILL E-1 - 4 MEN PRESENT - BRIDGE
 NOTIFIED - CLOSED L.P. BLEEDER - RETARDED CLOCKS 20 MIN @ 0100 - UNABLE TO
 PUMP E.R. BILGES - CLEANED F.O. DIS. STRAINER - CLEANED STRAINERS DC GEN - COMPLIED
 WITH NITE ORDERS - ROUTINE ROUNDS & INSPECTIONS - SECURED STM. TO #4 SETTLER
 C-72595800 FOM P-4954850 S-1635030 WATCH ENGR'S SIGNATURE: William M. Suggs

0400-0800 WATCH

UNDERWAY AS BEFORE: RETARDED CLOCK 20 MIN @ 0500. CONDUCTED
 CASUALTY DRILL E-1, LOW WATER IN BOILER: FW SUCT ON #2 STAD, #2P
 too low to pick up suct. BRIDGE NOTIFIED OF ASSIMILATED CASUALTY DRILL @ 0525
 full watch participated: INCREASED SPEED TO 80 RPM @ 0723 B/O Bridge

WATCH ENGR'S SIGNATURE: C. J. Foy

0800-1200 WATCH

BLEW TUBES P-S BOILERS. 14 NOZZS @ 0904. 70 LB. 12 LB. AND L.P. BLEED TO 1ST.
 STAGE HTR. OPEN. ALL EMERGENCY EQUIPMENT TESTED @ 0917. CHANGED AND CLEANED F.O.
 SUCT. AND DISCH STRAINERS. CHANGED OVER SETTS @ 1200.

C-72634540 M-P-4956880 S-1637610

WATCH ENGR'S SIGNATURE: Ryan C. Dill

CHIEF ENGINEER

	PORT	STAD
RA	160	140
T.A	200	200
CH	547	547
PH	10	10
ST. HRS	57	108

CHIEF ENGR'S SIGNATURE: William M. Suggs

USNS *GEN JOHN POPE T-100* VOYAGE NO. *1A* FROM *OAKLAND NSC* TO *OKINAWA* TYPE OF VESSEL *P2* DATE *12-23-65*

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	220	HOTTEST GEAR BEARING FORWARD	127	142	135	143	144	140
DETENTION TIME							HOTTEST GEAR BEARING AFT	143	140	140	138	142	130
REVOLUTION COUNTER (END OF WATCH)	7265 4800	76030	7269 7160	7271 7030	39160	7275 8740	AUX. COND. CONDENSATE	91	90	92	87	88	90
TOTAL REVOLUTIONS (FOR WATCH)	20260	21230	21130	19820	19340	21420	1ST STAGE FEED WATER HEATER						
AVERAGE RPM	84.4	88.5	88.0	82.8	80.6	89.0	D. C. FEED WATER HEATER	243	246	246	246	244	244
F.O. METER (END OF WATCH)	37870	58950	60200	61370	62530	63740	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2280	2250	2480	2580	2740	2730	SUPER HEAT	P 4	690	698		590	597
PRESSURES	THROTTLE	425	425	425	420	425	S		610	690		715	715
	H.P. AHEAD	415	415	415	410	415	F.O. TO BURNERS	200	200	200	200	240	210
	L.P. AHEAD						P	114	114	114	114	117	120
	VACUUM	28.0"	28.0	28.0"	28.0"	28.0	S	108	106	108	108	112	113
	L.O. TO TURBINES	12	12	12	12	12	F.O. TEMP. IN SETTLING TANKS	#4			100	108	110
	AUX. STEAM	140	140	140	140	140	#3		110°			110	94
	BACK PRESSURE	12	12	12	12	12	PORT BOILER UPTAKE					348	348
	GLAND STEAM	4	3	4	4	3.5	STBD. BOILER UPTAKE					315	315
	H.P. BLEEDER						F.O. BACK PRESSURE						
	I.P. BLEEDER						MAIN STEAM	450	450	450	440	450	450
TEMPERATURES	L.P. BLEEDER						F.O. TO BURNERS	170	175	170	170	240	230
	STEAM AT THROTTLE	700	700	690	710	705	MAIN COND. SALINITY	0.41	0.41	0.2	0.2	0.41	0.2
	L. P. EXHAUST	96	92	92	96	92	ENGINE ROOM TEMPERATURE	76	75	75	75	76	82
	CONDENSATE	90	90	92	87	88	FIRE ROOM TEMPERATURE	76	75	75	75	76	82
	CIRC. WATER IN	70	72	72	71	70	NOZZLES IN USE	14	14	14	14	14	14
	CIRC. WATER OUT	81	82	82	81	84	NO. OF BURNERS IN USE	P 3	3	3	3	3	3
	L.O. TO COOLERS	125	126	128	126	126	S 3	3	3	3	3	3	3
	L.O. FROM COOLERS	110	110	108	110	110	BURNER TIP SIZE	P 53/70	53/70	53/70	53/70	53/70	53/70
	TEMPERATURE THRUST BEARING	116	116	116	114	116	S 53/70	53/70	53/70	53/70	53/70	53/70	53/70
	FORWARD H.P. ROTOR BEARING	122	120	135	122	122	CO ₂ % PORT BOILER						
MISCELLANEOUS	AFT. H.P. ROTOR BEARING	132	135	130	134	134	CO ₂ % STBD. BOILER						
	FORWARD L.P. ROTOR BEARING	116	115	130	116	115	OIL LEVEL MAIN SUMP	NORM	N	NORM	NORM	N	N
	AFT. L.P. ROTOR BEARING	127	125	140	126	125							

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL												
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		WATER		LUBE OIL		DIESEL OIL					
1200 TO 1600	1		420		9	122	112		62	1200	1200	240	METER AT NOON			ON HAND AT START OF DAY								
	2		420		7	137	123		58	1200	1200	240	METER PREVIOUS NOON			EVAPORATED OR RECEIVED								
1600 TO 2000	1	1200	425		9	120	110		62	1100	1100	240	CONSUMED BY METER			ON HAND								
	2	1200	425		7	134	122		58	1100	1100	240	ON HAND AT START OF DAY			CONSUMED								
2000 TO 2400	1	1200	425		9	120	110		62	1100	1100	240	RECEIVED DURING DAY			ON HAND AT START OF DAY								
	2	1200	425		7	134	122		68	1100	1100	240	EXPENDED DURING DAY			RECEIVED								
2400 TO 0400	1	1200	420		9	120	110		62	1100	1100	240	REMAINING ON BOARD			ON HAND								
	2	1200	420		7	134	122		58	1100	1100	240	ON HAND AT START OF DAY			CONSUMED								
0400 TO 0800	1	1200	425		9	120	110		62	1100	1100	240	EVAPORATED OR RECEIVED			ON HAND								
	2	1200	425		7	134	123		58	1100	1100	240	ON HAND			RECEIVED								
0800 TO 1200	1	1200			9	120	110		62	1200	1200	240	CONSUMED			CONSUMED								
	2	1200			7	136	123		66	1200	1200	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											
													L.O. CENTRIFUGE - HOURS OPERATED											
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200						
													4	4/100	4	3	4/100	4						
													SUMMARY											
													RUNNING TIME				PROPELLER SLIP (%)							
													DETENTION TIME				BBL FUEL/MI							
													TOTAL REVOLUTIONS				WIND DIRECTION							
													AVERAGE R.P.M.				STATE OF SEA							
													TOTAL MILES BY ENGINE				STATE OF WEATHER							
													TOTAL MILES BY OBSERVATION											

REMARKS

1200-1600 WATCH

UNDERWAY 14 NOZZLES - MACH 4 IN OPERATION - #1 & #2 BLKS - #1 & #2 F.D. FANS - #1 & #2 M.V. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS - STBD. STEERING MOTOR - M.V. COND. PUMP - F.W. PUMP - ELECTRIC L.O. SERVICE PUMP - L.O. PURIFIER - M.V. & CONTAMINATED EVAPS - @ 1230 CHANGED M.V. F.D. SUCT. TO #1 DP. TK. STBD - @ 1305 LOST F.W. SUCTION CHANGED FROM FOREPEK TO #3 P. - RENEWED FITTING TO G.O. PRESS. GAUGE ON #2 GEN. - CLEANED F.O. DIS. STRAINERS - PUMPED BILGES - FILLED L.O. DAY TK. THRU L.O. PURIFIER - ROUTINE TESTS & INSPECTIONS
C-72654800 F.O.M. - P-4957870 S-1638900 WATCH ENGR'S SIGNATURE: *William N. Sigurd*

1600-2000 WATCH

UNDERWAY AS ABOVE EXCEPT #1 BOILER ON CONSTANT BLOW TO M.V. EVAP. : BLEW TUBES P/S BOILERS: ROUTINE WATCH: COMPL. LIED W/DEPT. ORDERS. INSTALLED THERMOMETERS ON SUPERHEATER & UPTAKE, PORT & STBD BOILERS. INSTALLED THERMOMETER ON F.O. SETT P/S:

WATCH ENGR'S SIGNATURE: *Cliffrey*

2000-2400 WATCH

THERMOMETERS IN P-S UPTAKES NOT IN WORKING ORDER. CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS. CHANGED AND CLEANED L.O. STRAINERS. NO. 1-2 D.C. GEHS. CHANGED OVER SETTS @ 2400

C-72697160 M-4960200 S-1641300

WATCH ENGR'S SIGNATURE: *Regan C. Dwyer*

SAME AS BEFORE - CLEANED L.O. PURIFIER BACK ON SUMP TO SUMP - UNABLE TO PUMP BILGES - BILGES @ UNSAFE LEVEL - UTILITY MAN WORKING ON SAME - CLEANED L.O. STRAINERS ON D.P. GENS - COMPLIED WITH NITE ORDERS - WATCH ASSISTING WITH BILGE REPAIR - 0340 - STARTED PUMPING BILGES WITH SUBMERSIBLE PUMP -

C-72716330 F.O.M. - P-4961370 S-1642710

WATCH ENGR'S SIGNATURE: *William N. Sigurd*

UNDERWAY AS ABOVE: PORT BOILER ON CONSTANT BLOW: HEAT SEC ON TO P/S F.O. SETT: Reg routine watch carried out: TROOP HEAD FLOWED FR 34 2nd dk, broke out plumber @ 0600:

WATCH ENGR'S SIGNATURE: *Cliffrey*

0800-1200 WATCH

BLEW TUBES P-S BOILERS. ALL REV. COUNTERS TO BE CALCULATED AT 220 MINS B/O CH. ENGR. LOST F.O. SUCT @ 1115, CHANGED OVER SETTS. 1118. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GEHS CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS.

C-@ NOON 72739160. M-P 4963740. S-1645710

WATCH ENGR'S SIGNATURE: *Regan C. Dwyer*

CHIEF ENGINEER

	PORT	STBD
P.A	130	30
T.A	150	50
CH	582	178
PH	100	10
STM HRS.	81	132

CHIEF ENGR'S SIGNATURE: *William N. Sigurd*

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240	HOTTEST GEAR BEARING FORWARD	146	145	140	146	144	145
DETENTION TIME							HOTTEST GEAR BEARING AFT	142	142	130	140	140	130
REVOLUTION COUNTER (END OF WATCH)	7278 0300	7288 02200	7282 7350	7285 0910	70570	7289 6020	AUX. COND. CONDENSATE	92	92	92	92	92	92
TOTAL REVOLUTIONS (FOR WATCH)	21560	21900	23330	23440	21860	23450	1ST STAGE FEED WATER HEATER						
AVERAGE RPM	89.8 88.0	91.2	89.7	89.9	84.1	89.9	D. C. FEED WATER HEATER	246	246	246	246	246	246
F.O. METER (END OF WATCH)	16649050	1664850	1664800	1664750	1664700	1664650	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2450	2260	2360	2480	2490	2390	SUPER HEAT	P 745 S 615	715	705	735	720	715
PRESSURES	THROTTLE	430	430	430	430	430	F.O. TO BURNERS	200	200	200	200	200	200
	H.P. AHEAD	410	420	420	420	420	AIR TO FURNACE	P 124 S 116	121	123	123	121	122
	L.P. AHEAD						F.O. TEMP. IN SETTLING TANKS	P 112 S 108	111	112	116	110	120
	VACUUM	28.0"	28.0"	28.0"	28.0"	28.0"	PORT BOILER UPTAKE		290	295	31	315	315
	L.O. TO TURBINES	12	12	12	12	12	STBD. BOILER UPTAKE		290	300		310	310
	AUX. STEAM	140	140	140	140	140	F. O. BACK PRESSURE						
	BACK PRESSURE	12	12	12	12	12	MAIN STEAM	P 450 S 230	450	450	450	450	450
	GLAND STEAM	5	4	4.5	5	4	F.O. TO BURNERS	P 150 S 230	240	240	240	240	240
	H.P. BLEEDER						MAIN COND. SALINITY	0.1	0.41	0.2	0.1	0.41	0.2
	I.P. BLEEDER						ENGINE ROOM TEMPERATURE	84	84	85	84	80	84
TEMPERATURES	L.P. BLEEDER						FIRE ROOM TEMPERATURE	84	84	85	84	80	84
	STEAM AT THROTTLE	700	720	720	710	710	NOZZLES IN USE	14	14	14	14	14	14
	L. P. EXHAUST	97	93	93	97	94	NO. OF BURNERS IN USE	P 3 S 3	3	3	3	3	3
	CONDENSATE	92	92	90	92	92	BURNER TIP SIZE	P 53/70 S 53/70	53/70	53/70	53/70	53/70	53/70
	CIRC. WATER IN	71	72	72	69	74	CO ₂ % PORT BOILER						
	CIRC. WATER OUT	82	84	82	81	84	CO ₂ % STBD. BOILER						
	L.O. TO COOLERS	127	128	129	126	128	OIL LEVEL MAIN SUMP	NORM	N	N	NORM		NORM
	L.O. FROM COOLERS	110	110	108	110	110							
	TEMPERATURE THRUST BEARING	117	146	116	115	115							
	FORWARD H.P. ROTOR BEARING	125	122	140	121	122							
	AFT. H.P. ROTOR BEARING	135	135	135	135	134							
	FORWARD L.P. ROTOR BEARING	121	117	125	121	116							
	AFT. L.P. ROTOR BEARING	128	126	130	125	122							

GENERATORS													FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	DOMESTIC WATER	BOILER WATER	LUBE OIL	DIESEL OIL	
1200 TO 1600	1	1200	420		9	123	114		63	1200	1200	240	METER AT NOON	70250/53900		ON HAND AT START OF DAY		
													METER PREVIOUS NOON	63740/45710		EVAPORATED OR RECEIVED		
1600 TO 2000	2	1200	420		7	139	125		66	1200	1200	240	CONSUMED BY METER	332		ON HAND		
	1	1200	430		9	120	110		62	1100	1100	240	ON HAND AT START OF DAY	12383		CONSUMED		
													RECEIVED DURING DAY			ON HAND AT START OF DAY		
	2	1200	430		7	134	124		66	1100	1100	240	EXPENDED DURING DAY	332/402		RECEIVED		
2000 TO 2400													REMAINING ON BOARD	11649		ON HAND		
	1	1200	430		9	120	110		62	1000	1000	240	ON HAND AT START OF DAY			CONSUMED		
2400 TO 0400													EVAPORATED OR RECEIVED			ON HAND		
	2	1200	430		7	134	124		66	1000	1000	240	ON HAND			RECEIVED		
	1	1200	420		9	125	111		62	1050	1050	240	CONSUMED			CONSUMED		
0400 TO 0800	2	1200	420		7	135	121		67	1050	1050	240	LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)					
	1	1200	430		9	120	110		62	1200	1200	240	L.O. CENTRIFUGE - HOURS OPERATED					
0800 TO 1200													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	2	1200	420		7	136	126		66	1200	1200	240	4	4	4	4	4	4
	1	1200	430		9	120	110		62	1150	1150	240	SUMMARY					
													RUNNING TIME	2414173	PROPELLER SLIP (%)			
	2	1200	430		7	136	126		66	1200	1200	240	DETENTION TIME		BBL FUEL/MI			
													TOTAL REVOLUTIONS		WIND DIRECTION			
	1	1200	430		9	120	110		62	1150	1150	240	AVERAGE R.P.M.		STATE OF SEA			
													TOTAL MILES BY ENGINE		STATE OF WEATHER			
	2	1200	430		7	136	126		66	1200	1200	240	TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

UNDERWAY @ 14 NOZZLES. MACHINERY IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.O. FANS -
 #1 & #2 D.C. GENS. - #1 & #2 M.W. COND. PUMPS - #1 & #2 F.O. SERVICE PUMPS - L.O. PURIFIER - ELEC.
 L.O. SERVICE PUMP - #1 M.W. COND. PUMP - F.W. PUMP - M.W. & CONTAMINATED EVAPS -
~~PORT BLR.~~ ON CONSTANT BLOW - CLEANED M.W. L.O. STRAINER - UNABLE TO PUMP
 PORT BILGE - ROUTINE TESTS & INSPECTIONS - UNABLE TO INCREASE F.O. PRESSURE
 TO BURNERS ON PORT BOILER - STBD. BOILER TAKING MOST OF LOAD -

C-72780300 F.O.M. - P-4964850 S-1647050

WATCH ENGR'S SIGNATURE.

1600-2000 WATCH

UNDERWAY AS ABOVE: STBD BOILER ON CONST. BLOW @ 1800
 BLEW DOWN M.U.F. & CONT. EVAPS: ROUTINE WATCH, DEPT ORDERS CARRIED
 OUT: BLEW DOWN M.U.F. EVAP.: ~~CONT. EVAP SECURED~~ unable to maintain
 H₂O Level: Removed Valve Chest Cover found springs (4) coiled together
 fibre discs worn out.

WATCH ENGR'S SIGNATURE.

2000-2400 WATCH

CHANGED AND CLEANED F.O. SUCTION AND DISCH STRAINERS. CHANGED AND CLEANED
 L.O. STRAINERS NO. 1-2 D.C. GENS. RETARDED CLOCK 20 MINS. @ 2300.
 CHANGED OVER SETTS @ 2400.

C-72827350. M-P-4967050 S-1649740

WATCH ENGR'S SIGNATURE.

2400-0400 WATCH

MACHINERY AS BEFORE - RETARDED CLOCK 20 MIN @ 0100 - CLEANED F.O. DIS.
 STRAINER - COMPLIED WITH MITE & STANDING ORDERS - CHANGED & CLEANED L.O.
 STRAINERS D.C. GENS. - ROUTINE WATCH, TESTS & INSPECTIONS - 0315 - #1 STBD FULL

C-72850710 F.O.M. - P-4968110 S-1651160

WATCH ENGR'S SIGNATURE.

0400-0800 WATCH

UNDERWAY AS BEFORE: RETARDED CLOCK 20 MIN @ 0500: PORT BOILER
 ON CONST. BLOW: CONT. EVAP. SECURED, unable to maintain H₂O Level
 Removed Valve Chest Cover found springs (4) coiled together, fibre valve discs worn
 out & floating loose (3) discs & spring retaining bolts & drift & (1) missing; Removed
 Piston Cyl. Cover found end of shaft (threaded) broken & follower plate & drift; started
 OVERHAULING SAME: ROUTINE WATCH CARRIED OUT:

WATCH ENGR'S SIGNATURE.

0800-1200 WATCH

BLEW TUBES P-S BOILERS, CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS.
 CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GENS. CONTAMINATED EVAP. ON
 LINE @ 1130. CHANGED OVER SETTS @ 1200.

C- @ NOON 72894340 - M-P-4970250 S-1653900

WATCH ENGR'S SIGNATURE.

CHIEF ENGINEER

#	PORT	STBD
PA	200	70
TA	250	100
CH	604	227
PH	10	10
S. HRS	105	156

CHIEF ENGR'S SIGNATURE.

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. JOHN ROPE TANK	1A	OAKLAND USC	OKIWAUA	P2	12-4/5-65

		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	240	240	240	240			HOTTEST GEAR BEARING FORWARD		144	145	145	148	145	145
DETENTION TIME										HOTTEST GEAR BEARING AFT		139	142	135	142	142	135
REVOLUTION COUNTER (END OF WATCH)		7291 6410	38520	7296 0600	7298 2650	730 04040	7302 7200			AUX. COND. CONDENSATE		93	90	90	90	91	91
TOTAL REVOLUTIONS (FOR WATCH)		22070	22110	22080	22050	21390	23160			1ST STAGE FEED WATER HEATER							
AVERAGE RPM		92.0	92.1	92.0	91.9	87.2	96.5			D. C. FEED WATER HEATER		245	246	246	247	246	246
F.O. METER (END OF WATCH) S		1655180	56640	57790	59050	60360	61720			3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		2280	2490	2180	2240	2370	2500										
PRESSURES	THROTTLE	430	430	430	430	430	430			SUPER HEAT		P 720	720	725	725	720	725
	H.P. AHEAD	420	420	420	420	420	420			S 620		620	625	620	625	620	625
	L.P. AHEAD		14							F.O. TO BURNERS		200	200	200	200	200	180
	VACUUM	28.0"	28.5"	28.0"	28.5"	28.5	28.4"			AIR TO FURNACE		P 122	121	122	122	121	122
	L.O. TO TURBINES	12	12	12	12	12	12			S 114		114	111	112	111	111	111
	AUX. STEAM	140	140	140	140	140	140			F.O. TEMP. IN SETTLING TANKS		P 86	85	90	90	94	98
	BACK PRESSURE	12	12	12	12	12	12			S 106		90	92	94	106	108	
	GLAND STEAM	4	4	3	4	3	3			PORT BOILER UPTAKE			310	315		325	325
	H.P. BLEEDER		82	70	70	70	70			STBD. BOILER UPTAKE			310	300	300	310	310
	I.P. BLEEDER		11	11	11	11	11			F. O. BACK PRESSURE							
L.P. BLEEDER		15	10.5	14	14	13			MAIN STEAM		P 450	450	450	450	450	450	
TEMPERATURES	STEAM AT THROTTLE	720	720	720	710	710	720			F.O. TO BURNERS		P 135	200	195	130	190	190
	L. P. EXHAUST	98	95	95	99	95	95			S 210		200	195	190	190	190	
	CONDENSATE	93	90	90	90	91	91			MAIN COND. SALINITY		0.3	1.26	0.2	0.3	0.83	0.2
	CIRC. WATER IN	70	74	74	70	72	72			ENGINE ROOM TEMPERATURE		84	80	80	83	80	82
	CIRC. WATER OUT	81	84	84	84	82	82			FIRE ROOM TEMPERATURE		84	80	80	83	80	82
	L.O. TO COOLERS	127	127	127	127	128	128			NOZZLES IN USE		14	14	14	14	14	14
	L.O. FROM COOLERS	110	110	110	110	110	110			NO. OF BURNERS IN USE		P 3	3	3	3	3	3
	TEMPERATURE THRUST BEARING	116	115	115	116	115	115			S 3		3	3	3	3	3	3
	FORWARD H.P. ROTOR BEARING	122	122	135	124	120	140			BURNER TIP SIZE		P 53/70	53/70	53/70	53/70	53/70	53/70
	AFT. H.P. ROTOR BEARING	135	135	145	135	135	145			S 53/70		53/70	53/70	53/70	53/70	53/70	53/70
MISCELLANEOUS	FORWARD L.P. ROTOR BEARING	119	115	125	119	115	125			CO ₂ % PORT BOILER							
	AFT. L.P. ROTOR BEARING	126	125	135	130	126	135			CO ₂ % STBD. BOILER							
										OIL LEVEL MAIN SUMP		NORM	N	N	N	N	N

GENERATORS											FUEL - WATER AND LUBE OIL										
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	BOILER WATER	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	RECEIVED DURING DAY	ON HAND AT START OF DAY	LUBE OIL
1200 TO 1600	1	1200	420		9	120	111		63	1200	1200	240	70250/53900								
	2	1200	420		7	137	123		67	1200	1200	240	63740/45710								
1600 TO 2000	1	1200	430		9	120	110		62	1200	1200	240	332								
	2	1200	430		7	136	124		67	1100	1100	240	12383								
2000 TO 2400	1	1200	430		9	120	110		64	1150	1150	240	332/2402								
	2	1200	430		7	136	124		68	1150	1150	240	11649								
2400 TO 0400	1	1200	420		9	120	112		66	1150	1150	240									
	2	1200	420		7	137	123		68	1150	1150	240									
0400 TO 0800	1	1200	430		9	120	110		64	1100	1100	240									
	2	1200	430		7	136	122		68	1100	1100	240									
0800 TO 1200	1	1200	430		9	120	110		64	1150	1150	240									
	2	1200	430		7	136	122		68	1150	1150	240									

FUEL - WATER AND LUBE OIL										
FUEL OIL	METER AT NOON	70250/53900			BOILER WATER	ON HAND AT START OF DAY				
	METER PREVIOUS NOON	63740/45710				EVAPORATED OR RECEIVED				
	CONSUMED BY METER	332				ON HAND				
	ON HAND AT START OF DAY	12383			CONSUMED					
	RECEIVED DURING DAY				LUBE OIL	ON HAND AT START OF DAY				
	EXPENDED DURING DAY	332/2402				RECEIVED				
REMAINING ON BOARD	11649			ON HAND						
DOMESTIC WATER	ON HAND AT START OF DAY				DIESEL OIL	CONSUMED				
	EVAPORATED OR RECEIVED					ON HAND				
	ON HAND					RECEIVED				
	CONSUMED					CONSUMED				
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)										
L.O. CENTRIFUGE - HOURS OPERATED										
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200					
3	4	4	4	4	4					
SUMMARY										
RUNNING TIME	244135			PROPELLER SLIP (%)						
DETENTION TIME				BBL FUEL/MI						
TOTAL REVOLUTIONS	13118			WIND DIRECTION						
AVERAGE R.P.M.	91.09			STATE OF SEA						
TOTAL MILES BY ENGINE	489			STATE OF WEATHER						
TOTAL MILES BY OBSERVATION	447									

1200-1600 WATCH

UNDERWAY @ 14 NOZZLES - MACH IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.D. FANS - #1 & #2
 M.V. FD. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 M.V. COND. PUMP - ELECTRIC L.O. SERVICE PUMP -
 #1 AIR COMPRESSOR - STBD. STEERING MOTOR - F.W. PUMP - M.V. # CONT. EVAP. - L.O. PURIFIER -
 PORT BLR. ON CONSTANT BLOW - CLEANED L.O. PURIFIER - CLEANED F.O. DISCHARGE STRAINERS - FILLING
 D.W. TK. FROM #1 STBD. TK. - F.W. SUCT. FROM #2 P&S - UTILITYMAN WORKING ON BILGE SYSTEM -
 @1545 13 1/2" IN #1 STBD. TK. - SECURED FILLING TO D.W. TK. - ROUTINE TESTS & INSPECTIONS.

C-72916410 FOM-P-4971250 S-1635180

WATCH ENGR'S SIGNATURE

William N. Leggett

1600-2000 WATCH

UNDERWAY AS ABOVE S/I IND. ALARM SOUNDED. M.V. COND. ST. 1.26 RPM:
 @1635: #1 P&S FD 99 RPM; STBD Boiler on CONST. BLOW: Blew down M.V.
 & CONT. EVAP.: HEAT ON P/S F.O. SETTLERS: BLEEDER STEAM GAGES IN SERVICE.
 Routine Watch carried out:

WATCH ENGR'S SIGNATURE

Cliffrey

2000-2400 WATCH

BLEW DOWN M.V. EVAP. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GEHS.
 CHANGED AND CLEANED F.O. SUCT. AND DISCH. STRAINERS. COMPLIED WITH NIGHT
 AND STANDING ORDERS. BLEW DOWN CONTAMINATED EVAP.
 CHANGED OVER SETTS. @ 2400.
 STEERING GEAR FAILURE @ 2359. STBY. @ 2400

C-72960600 M-P-4973310 S-1659790

WATCH ENGR'S SIGNATURE

Ray C. Holguin

2400-0400 WATCH

0003 - CALLED 1ST ASST. ENG. TO STEERING FLAT. 0017 - STBD STEERING BACK IN
 OPERATION. 0018 SECURED FROM STBY. CLEANED F.O. STRAINERS - PRIMED BILGES -
 COMPLIED WITH NITE & STANDING ORDERS -

RELAY ON #2 F.D. FAN CONTROL FAILED TO MAKE. RESET SAME

C-72982650 FOM-P-4974290 S-1659050

WATCH ENGR'S SIGNATURE

William N. Leggett

0400-0800 WATCH

UNDERWAY AS BEFORE EXCEPT SECURED #2 F.O. SERVICE PUMP
 & F.O. HEATER; PORT BOILER ON CONST. BLOW; Routine Watch carried out:

WATCH ENGR'S SIGNATURE

Cliffrey

0800-1200 WATCH

BLEW TUBES P-S BOILERS, TESTED EMERGENCY EQUIPMENT @ 0915. BRIDGE
 NOTIFIED. CHANGED AND CLEANED F.O. SUCT. AND DISCH. STRAINERS. CHANGED AND
 CLEANED L.O. STRAINERS NO. 1-2 D.C. GEHS. CHANGED OVER SETTS. @ 1200.

C-73027200 M-P-4976400 S-1661720

WATCH ENGR'S SIGNATURE

Ray C. Holguin

CHIEF ENGINEER

#	PORT	STBD
P.A.	200	220
T.A.	250	250
CH	604	512
PH	10	10
STN HRS	129	130

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE																													
GEN. JOHN POPE TAP 110		1A		OAKLAND NSC		OKINAWA		Pc		12-5/6-65																													
<table><tr><td colspan="6">WATCH</td><td colspan="6">WATCH</td></tr><tr><td colspan="2"></td><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td><td colspan="2"></td><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr></table>												WATCH						WATCH								1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
WATCH						WATCH																																	
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200																								
RUNNING TIME		240	240	260	260	260	240	MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD		147	145	145	146	144	145																						
DETENTION TIME								TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT		141	142	135	142	142	135																						
REVOLUTION COUNTER (END OF WATCH)		7304	7360	7309	7311	7311	7315	TEMPERATURES		AUX. COND. CONDENSATE		93	91	91	92	90	90																						
TOTAL REVOLUTIONS (FOR WATCH)		22160	22310	24104	24000	23910	21980	TEMPERATURES		1ST STAGE FEED WATER HEATER		246	24		155	130	130																						
AVERAGE RPM		92.3	93.0	92.7	92.3	92.0	91.5	TEMPERATURES		D. C. FEED WATER HEATER		246	246	246	247	243	244																						
F.O. METER (END OF WATCH)		P 4977410	72500	79720	80880	82030	83140	TEMPERATURES		3RD STAGE FEED WATER HEATER																													
F.O. CONSUMED		S 1662960	64900	65450	66660	67900	69060	TEMPERATURES		SUPER HEAT		P 720	760	720	725	720	620																						
PRESSURES		THROTTLE	430	430	430	430	430	TEMPERATURES		F.O. TO BURNERS		S 630	630	625	630	620	625																						
		H.P. AHEAD	420	420	420	420	420	420	TEMPERATURES		AIR TO FURNACE		P 124	122	122	122	122	122																					
		L.P. AHEAD							TEMPERATURES		F.O. TEMP. IN SETTLING TANKS		S 116	111	110	111	112	111																					
		VACUUM	28.5"	28.5"	28.5"	28.5"	28.5"	28.5"	TEMPERATURES		F.O. TEMP. IN SETTLING TANKS		P 102	102	98	106	106	110																					
		L.O. TO TURBINES	12	12	12	12	12	12	TEMPERATURES		PORT BOILER UPTAKE		S 105	106	104	106	100	102																					
		AUX. STEAM	140	140	140	150	150	150	TEMPERATURES		STBD. BOILER UPTAKE			300	300	335	320	315																					
		BACK PRESSURE	10	10	10	10	10	10	TEMPERATURES		F.O. BACK PRESSURE																												
		GLAND STEAM	4	3	3	3.5	3	3	TEMPERATURES		MAIN STEAM			450	450	450	450	450	450																				
		H.P. BLEEDER	72	72	72	72	68	68	TEMPERATURES		F.O. TO BURNERS		P 135	165	165	160	150	150																					
		I.P. BLEEDER	10.5	10.5	10.5	10.5	9.5	10	TEMPERATURES		MAIN COND. SALINITY		S 190	16.5	16.5	160	150	150																					
L.P. BLEEDER	16	14		16	14	14	TEMPERATURES		ENGINE ROOM TEMPERATURE			450	450	450	450	450	450																						
TEMPERATURES		STEAM AT THROTTLE	880	220	720	680	700	710	TEMPERATURES		FIRE ROOM TEMPERATURE			0.2	0.41	0.2	0.2	0.41	0.41																				
		L. P. EXHAUST	104	94	94	101	96	96	TEMPERATURES		NOZZLES IN USE			84	84	82	82	85	86																				
		CONDENSATE	93	91	91	92	90	90	TEMPERATURES		NO. OF BURNERS IN USE			84	84	82	82	85	86																				
		CIRC. WATER IN	74	74	72	73	74	74	TEMPERATURES		BURNER TIP SIZE			14	14	14	14	14	14																				
		CIRC. WATER OUT	85	82	82	83	85	80	TEMPERATURES		CO ₂ % PORT BOILER		P 3	3	3	3	3	3																					
		L.O. TO COOLERS	129	129	132	130	128	130	TEMPERATURES		CO ₂ % STBD. BOILER		S 3	3	3	3	3	3																					
		L.O. FROM COOLERS	110	110	150	110	110	110	TEMPERATURES		OIL LEVEL MAIN SUMP			53/70	53/70	53/70	35/70	35/70	53/70																				
		TEMPERATURE THRUST BEARING	117	115	118	117	116	116	TEMPERATURES					53/70	53/70	53/70	35/70	35/70	53/70																				
		FORWARD H.P. ROTOR BEARING	125	122	140	126	122	140	TEMPERATURES																														
		AFT. H.P. ROTOR BEARING	137	135	145	137	134	145	TEMPERATURES																														
MISCELLANEOUS		FORWARD L.P. ROTOR BEARING	122	116	130	121	117	130	TEMPERATURES																														
		AFT. L.P. ROTOR BEARING	129	126	135	132	126	135	TEMPERATURES																														
		GENERATORS												FUEL - WATER AND LUBE OIL																									
		WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	83140/69060	ON HAND AT START OF DAY																						
															METER PREVIOUS NOON	76460/61720	EVAPORATED OR RECEIVED																						
															CONSUMED BY METER	316	ON HAND																						
															ON HAND AT START OF DAY	11649	CONSUMED																						
		1200 TO 1600	1	1200	430		9	123	113		64	1150	1150	240	RECEIVED DURING DAY		ON HAND AT START OF DAY																						
			2	1200	430		7	139	127		68	1150	1150	240	EXPENDED DURING DAY	316/896	RECEIVED																						
															REMAINING ON BOARD	10937	ON HAND																						
1600 TO 2000	1	1200	430		9	120	110		64	1100	1100	240	ON HAND AT START OF DAY		CONSUMED																								
	2	1200	430		7	132	126		70	1100	1100	240	EVAPORATED OR RECEIVED		ON HAND																								
													ON HAND		RECEIVED																								
2000 TO 2400	1	1200	430		9	120	110		64	1050	1050	240	CONSUMED		CONSUMED																								
	2	1200	430		7	136	124		70	1050	1050	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																										
2400 TO 0400	1	1200	430		9	121	112		64	1100	1100	240	L.O. CENTRIFUGE - HOURS OPERATED																										
	2	1200	430		7	138	125		69	1100	1100	240	1200 TO 1600	4	1600 TO 2000	4	2000 TO 2400	4	2400 TO 0400	3	0400 TO 0800	4	0800 TO 1200	4															
0400 TO 0800	1	1200	430		9	120	110		64	1100	1100	240	SUMMARY																										
	2	1200	430		7	138	126		68	1100	1100	240	RUNNING TIME	25413.5	PROPELLER SLIP (%)																								
													DETENTION TIME		BBL FUEL/MI																								
0800 TO 1200	1	1200	430		9	120	110		64	1150	1150	240	TOTAL REVOLUTIONS	13846	WIND DIRECTION																								
	2	1200	430		7	138	126		68	1150	1150	240	AVERAGE R.P.M.	92.3	STATE OF SEA																								
													TOTAL MILES BY ENGINE	516	STATE OF WEATHER																								
													TOTAL MILES BY OBSERVATION	467																									

1200-1600 WATCH

UNDERWAY @ 14 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.D. FANS -
 #1 & #2 MIN. FD PUMPS - #1 ~~MIN~~ F.O. SERVICE PUMPS - #1 MIN. COND. PUMP - #1 AIR COMPRESSOR -
 STBD. STEERING MOTOR - ELECTRIC L.O. SERVICE PUMP - #1 & #2 D.C. GENS - L.O. PURIFIER -
 F.W. PUMP / CH. PLUMBER SECURED HEATING STM @ 1255 - PUMPED BILGES - CHANGED &
 CLEANED L.O. STRAINERS D.C. GENS - ROUTINE TESTS & INSPECTIONS.

C-73049360 FOM P-4977410 S-1662960

WATCH ENGR'S SIGNATURE

William W. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE: ADJUSTED VALVE TRAVEL ON F.O. CONTROL VALVE -
 EVAP TUBE NEST DRAINS DISCH. TO MIN COND. P.; BLEW DOWN M.U.F. & CONT. EQUIP
 Routine Watch Carried out
 Complied w/Dept orders

WATCH ENGR'S SIGNATURE

C. J. Fry

2000-2400 WATCH

CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS, CHANGED AND CLEANED
 L.O. STRAINERS NO. 1-2 D.C. GENS. RETARDED CLOCK 20 MINS. @ 2300.
 CHANGED OVER SETTS @ 2400. 70 LB. STATION SECURED.

C-73095774. MP-4979720 S-1665450

WATCH ENGR'S SIGNATURE

Ray C. Johnson

2400-0400 WATCH

MACHINERY AS BEFORE - CLEANED L.O. PURIFIER BACK ON SUMP TO SUMP -
 ADDED 5 GALS. L.O. TO #2 MIN. FD. PUMP - CLEANED STEAM TRAP ON #1 F.O. HTR. -
 PUMPED BILGES - COMPLIED WITH MITE ORDERS - ROUTINE TESTS & INSPECTIONS -
 BLEW DOWN MIN. & CONT. EVAPS.

C-73119720 FOM P-4980880 S-1666660

WATCH ENGR'S SIGNATURE

William W. Leggett

0400-0800 WATCH

UNDERWAY AS BEFORE Port Boiler on Const. Blow: BLEW DOWN
 M.U.F. & CONT. EQUIP; Installed therm. 1st stg heater:
 Routine Watch Carried out

WATCH ENGR'S SIGNATURE

C. J. Fry

0800-1200 WATCH

BLEW TUBES, P-S BOILERS. CHANGED AND CLEANED L.O. STRAINERS, NO 1-2 D.C. GENS,
 CHANGED AND CLEANED F.O. SUCTION AND DISCH STRAINERS. PUMPED BILGES.
 CHANGED OVER SETTS @ 1200.

WATCH ENGR'S SIGNATURE

Ray C. Johnson

CHIEF ENGINEER

	PORT	STBD
PA	80	170
JA	100	220
CH	284	590
PH	13	45
STM/HWS	153	204

CHIEF ENGR'S SIGNATURE

W. E. Johnson

		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	240	240	240	240	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD		146	145	145	146	145	140
DETENTION TIME										HOTTEST GEAR BEARING AFT		143	145	128	140	142	145
REVOLUTION COUNTER (END OF WATCH)		7318 7960	732 10030	7323 2070	7325 4100	76020	7329 7800			AUX. COND. CONDENSATE		93	90	88	92	92	90
TOTAL REVOLUTIONS (FOR WATCH)		22300	22070	22040	22030	21920	21780			1ST STAGE FEED WATER HEATER		134	132	133	133	133	133
AVERAGE RPM		92.9	92.0	91.8	91.7	91.4	90.7			D. C. FEED WATER HEATER		245	244	244	245	244	244
F.O. METER (END OF WATCH)		P 4984240 S 1670170	85340 76300	86430 72420	87300 73530	88610 74640	87730 75760			3RD STAGE FEED WATER HEATER		244					
F.O. CONSUMED		2210	2240	2210	2180	2220	2240	BOILER PARTICULARS TEMPERATURES PRESSURES		SUPER HEAT		P 710 S 610	715	720	685	710	710
THROTTLE		430	430	430	430	430	430			F.O. TO BURNERS		190	190	190	190	190	190
H.P. AHEAD		420	420	420	420	420	420			AIR TO FURNACE		P 128 S 116	126	125	126	125	127
L.P. AHEAD										F.O. TEMP. IN SETTLING TANKS		P 102 S 94	114	106	106	100	106
VACUUM		28.5"	28.5	28.5"	28.5"	28.5	28.5"			PORT BOILER UPTAKE		315	300	310	310	315	315
L.O. TO TURBINES		12	12	12	11.5	11.5	11.75			STBD. BOILER UPTAKE		305	245	290	240	245	245
AUX. STEAM		150	150	150	150	150	150			F. O. BACK PRESSURE							
BACK PRESSURE		9	12	12	9	12	12			MAIN STEAM		450	450	450	450	450	450
GLAND STEAM		3.5	3	3	3.5	3.5	3.5			F.O. TO BURNERS		160	170	150	160	160	
H.P. BLEEDER		68	68	68	68	68	68			MAIN COND. SALINITY		14.8 14.8	0.41	0.41	14.8	0.41	0.41
I.P. BLEEDER		9.5	9.5	9.5	9.2	9.2	9.2	ENGINE ROOM TEMPERATURE		86	84	84	86	87	88		
L.P. BLEEDER		14	14	13.5	13	14	13.5	FIRE ROOM TEMPERATURE		86	84	84	86	87	88		
STEAM AT THROTTLE		670	710	669	660	700	668	NOZZLES IN USE		14	14	14	14	14	14		
L. P. EXHAUST		101	94	94	101	96	96	NO. OF BURNERS IN USE		P 3 S 3	3	3	3	3	3		
CONDENSATE		93	90	88	92	92	90	BURNER TIP SIZE		P 53/70 S 53/70	53/70	53/70	53/70	53/70	53/70		
CIRC. WATER IN		76	74	74	75	75	74	CO ₂ % PORT BOILER									
CIRC. WATER OUT		83	80	80	84	82	82	CO ₂ % STBD. BOILER									
L.O. TO COOLERS		129	129	130	130	130	130	OIL LEVEL MAIN SUMP.		Normal	N	N	Normal	N	N		
L.O. FROM COOLERS		110	110	110	110	110	110										
TEMPERATURE THRUST BEARING		116	115	118	117	116	116										
FORWARD H.P. ROTOR BEARING		126	122	140	125	120	140										
AFT. H.P. ROTOR BEARING		137	135	145	136	135	145										
FORWARD L.P. ROTOR BEARING		123	119	128	123	120	125										
AFT. L.P. ROTOR BEARING		130	126	135	129	127	130										

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL			
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	
1200 TO 1600	1	1200	430		9	121	112		64	1150	1150	240	89730/75760		
	2	1200	430		7	140	126		68	1150	1150	240	83740/69060		
1600 TO 2000	1	1200	430		9	120	110		64	1150	1150	240	CONSUMED BY METER 315		
	2	1200	430		7	138	126		68	1150	1150	240	ON HAND AT START OF DAY 10937		
2000 TO 2400	1	1200	430		9	120	110		64	1000	1000	240	RECEIVED DURING DAY		
	2	1200	430		7	138	126		70	1000	1000	240	EXPENDED DURING DAY 352/315		
2400 TO 0400	1	1200	430		9	121	112		64	1050	1050	240	REMAINING ON BOARD 10270		
	2	1200	430		7	140	128		69	1050	1050	240	ON HAND AT START OF DAY		
0400 TO 0800	1	1200	430		9	120	110		64	1100	1100	240	EVAPORATED OR RECEIVED		
	2	1200	430		7	138	126		70	1100	1100	240	ON HAND		
0800 TO 1200	1	1200	430		9	120	110		64	1200	1200	240	CONSUMED		
	2	1200	430		7	138	126		70	1200	1200	240	DOMESTIC WATER		
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)													L.O. CENTRIFUGE - HOURS OPERATED		
													1200 TO 1600	1600 TO 2000	2000 TO 2400
													4	4	4
													4	4	4
SUMMARY													PROPELLER SLIP (%)		
													RUNNING TIME	24 HRS	
													DETENTION TIME		
													TOTAL REVOLUTIONS	13509	
													AVERAGE R.P.M.	93.8	
													TOTAL MILES BY ENGINE	504	
													TOTAL MILES BY OBSERVATION	467	

1200-1600 WATCH

UNDERWAY 14 NOZZLES - MACHINERY IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.D. FANS -
 #1 & #2 M.W. FD PUMPS - #1 F.O. SERVICE PUMP - #1 M.W. COND. PUMP - #1 AIR COMPRESSOR -
 STBD. STEERING MOTOR - ELECTRIC L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - AUX. CIRC. #
 M.W. CIRC. PUMP - #1 & #2 D.C. GEN'S. / CLEANED L.O. STRAINER ON M.W. HOTT - DAY WORKER
 M.W. & CONT. EVAPS / F.W. SUCTION FROM #2 P&S - M.W. FD. SUCTION #1 STBD - DAY WORKER
 WORKING ON BILGE SYSTEM - PORT BOILER ON CONSTANT BLOW - ROUTINE TESTS & INSPECTIONS.
 C-73187960 FOM. P-4984240 S-1670170 WATCH ENGR'S SIGNATURE: *William W. Leggett*

1600-2000 WATCH

UNDERWAY AS BEFORE: STBD BOILER CONSTANT BLOW;
 Routine Watch carried out:
 Complied w/DEPT orders:
 BLEW DOWN M.W. & CONT. EVAPS:
 F.W. PUMP SEC B/O 1st @ 1935 SUCT & DISCH VALVES SEC.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GEN'S, CHANGED AND CLEANED
 F.O. SUCTH. AND DISCH. STRAINERS, PUMPED BILGES, COMPLIED WITH NIGHT AND
 STANDING ORDERS,
 CHANGED OVER SETTS. @ 2400, F.W. SERVICE IN OPERATION @ 2030.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

MACHINERY AS BEFORE - RELAY ON #2 F.D. FAN CONTROL STUCK - RESET SAME -
 BLEW DOWN M.W. & CONTAMINATED EVAPS - PUMPED BILGES - COMPLIED WITH
 NITE ORDERS - ROUTINE TESTS & INSPECTIONS -

ADDED 3 GAL. L.O. TO #2 FD PUMP SUMP -

C-73254100 FOM. P-4987500 S-1673530

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

UNDERWAY AS BEFORE:
 PORT BOILER ON CONST. BLOW
 ROUTINE WATCH CARRIED OUT
 #2 F.D. BLWR Relay STUCK TWICE:

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

TESTED LIFEBOAT MOTORS. BLEW TUBES P-S-BOILERS.
 X FEED FROM D.B. DIST. TK. @ 0915. SALINITY IN DIST. TK. = 1.24, DIST. TK. FULL @ 0915.
 PUMPED BILGES. CHANGED OVER SETTS. @ 1200.
 DIST. TK. = 4'2" @ 1200.

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

STBY @ 1517 FIRE DRILL @ 1517 WATER ON DECK @ 1519 - SEC. FROM FIRE DRILL @ 1529 -
 SECURED FIRE PUMP @ 1529 - BOAT DRILL @ 1529 1/2 SEC FROM BOAT DRILL @ 1541 41 @ 1541

G-2	PORT	STBD
PA	100	130
TA	150	150
CH	461	284
P.H.	10	10
SH	178	228

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE				
USNS PORR TAP 110		1A		OAKLAND NSC		OKINAWA		P2		12-8/9-65				
		WATCH						WATCH						
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200		
RUNNING TIME		240		240		260		260		260		240		
DETENTION TIME														
REVOLUTION COUNTER (END OF WATCH)		2331 9800		41810		7336 5240		7338 8290		734 12060		7343 3705		
TOTAL REVOLUTIONS (FOR WATCH)		22000		22000		23450		23330		23270		21645		
AVERAGE RPM		91.7		91.7		90.1		90.5		89.5		90.1		
F.O. METER (END OF WATCH)		5 676870		78030		79280		80560		81760		82960		
F.O. CONSUMED		2300		2330		2400		2590		2280		2220		
PRESSURES	THROTTLE	430		430		430		430		430		430		
	H.P. AHEAD	420		420		420		420		420		420		
	L.P. AHEAD													
	VACUUM	28.0"		28.0		28.5		28.5"		28.		28.0"		
	L.O. TO TURBINES	12		12		12		12		12		12		
	AUX. STEAM	150		150		150		150		150		150		
	BACK PRESSURE	9		12		9		9		12		10		
	GLAND STEAM	3		3		3		3		3		3		
	H.P. BLEEDER	68		68		68		68		68		68		
	I.P. BLEEDER	9		9		9		9		9.5		9.5		
L.P. BLEEDER	13		13		13		13		14		14			
TEMPERATURES	STEAM AT THROTTLE	430		705		665		665		720		668		
	L. P. EXHAUST	102		96		96		101		100		100		
	CONDENSATE	93		90		90		91		93		93		
	CIRC. WATER IN	78		74		75		74		78		75		
	CIRC. WATER OUT	81		83		82		80		84		84		
	L.O. TO COOLERS	125		129		128		129		129		131		
	L.O. FROM COOLERS	110		110		108		110		110		108		
	TEMPERATURE THRUST BEARING	116		116		115		116		115		115		
	FORWARD H.P. ROTOR BEARING	126		122		122		121		120		120		
	AFT. H.P. ROTOR BEARING	136		135		138		135		135		135		
FORWARD L.P. ROTOR BEARING	125		118		118		120		120		120			
AFT. L.P. ROTOR BEARING	130		126		126		126		126		125			
TEMPERATURES	HOTTTEST GEAR BEARING FORWARD	147		145		145		146		145		145		
	HOTTTEST GEAR BEARING AFT	141		142		140		141		142		140		
	AUX. COND. CONDENSATE	93		90		90		91		92		93		
	1ST STAGE FEED WATER HEATER			136		133		134		138		136		
	D. C. FEED WATER HEATER	245		244		244		244		244		244		
	3RD STAGE FEED WATER HEATER													
	SUPER HEAT	P 710		710		710		710		720		720		
	F.O. TO BURNERS	S 610		610		610		610		605		600		
	AIR TO FURNACE	P 124		122		123		122		124		124		
	F.O. TEMP. IN SETTLING TANKS	S 98		102		98		98		100		98		
PRESSURES	PORT BOILER UPTAKE	310		305		305		310		315		315		
	STBD. BOILER UPTAKE	338		240		240		235		240		240		
	F. O. BACK PRESSURE													
	MAIN STEAM	450		450		450		450		450		450		
	F.O. TO BURNERS	150		140		140		140		150		150		
	MAIN COND. SALINITY	.41		0.41		0.41		.41		0.41		0.41		
	ENGINE ROOM TEMPERATURE	84		84		84		84		84		86		
	FIRE ROOM TEMPERATURE	84		84		84		84		84		86		
	NOZZLES IN USE	14		14		14		14		14		14		
	NO. OF BURNERS IN USE	P 3		3		3		3		3		3		
MISCELLANEOUS	BURNER TIP SIZE	P 53/70		53/70		53/70		53/70		53/70		53/70		
	CO2 % PORT BOILER			10						13				
	CO2 % STBD. BOILER			12						12				
	OIL LEVEL MAIN SUMP	Norm		N		N		Norm		N		N		
	FUEL - WATER AND LUBE OIL													
	FUEL OIL		METER AT NOON		90450/92700		METER PREVIOUS NOON		87300/75760		CONSUMED BY METER		304/161	
	ON HAND AT START OF DAY		16937		RECEIVED DURING DAY		EXPENDED DURING DAY		REMAINING ON BOARD		ON HAND AT START OF DAY		CONSUMED	
	ON HAND AT START OF DAY		687		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED	
	ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED	
	ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED	
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON HAND AT START OF DAY		10258		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED		CONSUMED		
ON														

REMARKS

1200-1600 WATCH

UNDERWAY 14 NOZZ. - MACH IN OPERATION - #1 & 2 BOILERS - #1 & 2 F.D. FANS - #1 & 2 M.W. COND. PUMPS - #1 & 2 D.C. GEN. - #1 F.O. SERVICE PUMP - AIR COMPRESSOR - STBD STEERING MOTOR - #1 M.W. COND. PUMP - #1 M.W. CIRC. PUMP - ELEC. LO. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - CHAIN BROKE ON F.W. PUMP @ 1330 - RENEWED CHAIN - BACK IN SERVICE @ 1530 - RELAY STUCK ON #2 F.D. FAN CONTROLLER - RESET SAME - M.V. F.D. SUCT. FROM D.W. TK. - F.R. WATER SUCTION FROM #2 PES - ROUTINE TESTS & INSPECTIONS -

C-73388790 FOM-P-4990820 S-1676870

WATCH ENGR'S SIGNATURE

William N. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE: BLEW TUBES PORT/STBD BOILERS: SIMULATED CASUALTY DRILL E-2 BOILER TUBE FAILURE 1845-1900 FULL WATCH PRESENT, BRIDGE NOTIFIED:

BLEW DOWN MUF & CONT. EVAP'S:

Routine Watch carried out
Complied w/Dept orders

WATCH ENGR'S SIGNATURE

C. J. Fry

2000-2400 WATCH

CHANGED OVER FROM DIST. D.B. TK. TO NO. 1 STBD. @ 2010, HELD ENGINE CASUALTY DRILL NO. E-2, JR. ENGR, OILER, FWT, AND WATCH ENGR. PARTICIPATED. BRIDGE NOTIFIED. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GEN'S. CHANGED AND CLEANED F.O. SUCTH. AND DISCH. STRAINERS. CHANGED OVER SETTS @ 2400

WATCH ENGR'S SIGNATURE

R. C. Hoffman

2400-0400 WATCH

MACHINERY AS BEFORE - HELD ENGINE CASUALTY DRILL E-2, BOILER TUBE FAILURE, 4 MEN PRESENT, BRIDGE NOTIFIED - UNABLE TO PUMP BILGES, STILL @ SAME LEVEL - FILLED L.O. DAY TANK - COMPLIED WITH AITE ORDERS - ROUTINE TESTS & INSPECTIONS -

C-73388790 FOM-P-4990250 S-1680560

WATCH ENGR'S SIGNATURE

William N. Leggett

0400-0800 WATCH

UNDERWAY AS BEFORE: #1 S RES TK. 1/3 FULL, DW DBTK 6" @ 0700: RETARDED CLOCKS 20 MIN @ 0500: Port Boiler Contact B/cw ROUTINE WATCH CARRIED OUT:

WATCH ENGR'S SIGNATURE

C. J. Fry

0800-1200 WATCH

BLEW TUBES P-S BOILERS. BLEW DOWN M.V. EVAP. @ 0900. CHANGED AND CLEANED F.O. SUCTH. AND DISCH. STRAINERS. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GEN'S. LIFE BOAT MOTORS TESTED AND O.K. CHANGED OVER SETTS @ 1200 BLEW DOWN M.V. EVAP. @ 1030.

WATCH ENGR'S SIGNATURE

R. C. Hoffman

CHIEF ENGINEER

	PORT	STBD
PA	1.0	1.2
TA	1.5	1.5
CH	36.04	15.33
PH	70	70
SH	202	252

CHIEF ENGR'S SIGNATURE

W. E. Johnson

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE							
GREAT POPE TAPIR		1A		OAKLAND		AISC		OKINAWA		P2		12-9/10-65					
		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	240	240	240	240										
DETENTION TIME																	
REVOLUTION COUNTER (END OF WATCH)		7345 5220	76790	7349 8590	7352 0370	47060 22600	7352 3570										
TOTAL REVOLUTIONS (FOR WATCH)		22520	21570	21800	21780	21690	21610										
AVERAGE RPM		91.8	89.9	90.8	90.8	90.4	89.6										
F.O. METER (END OF WATCH)		P 4997340 S 1684070	50670 85240	99690 86430	00770 87550	01890 88650	92760 90460										
F.O. CONSUMED		2260	2250	2260	2300	2220	2220										
MACHINERY PARTICULARS	PRESSURES	THROTTLE	430	430	430	430	430	430									
		H.P. AHEAD	420	420	420	420	420	420	420								
		L.P. AHEAD															
		VACUUM	28.0"	28"	28.0"	28.0"	28"	28.0"	28.0"								
		L.O. TO TURBINES	9.5	12	12	12	12	12	12								
		AUX. STEAM	150	150	150	150	150	150	150								
		BACK PRESSURE	9	12	12	9	12	12	12								
		GLAND STEAM	3	3	3	3	3	3	3								
	TEMPERATURES	H.P. BLEEDER	66	66	66	66	64	68	68								
		I.P. BLEEDER	9	9.2	9	9	9.5	9.5	9.5								
		L.P. BLEEDER	12	14	H.G. 13.5	14	15	H.G. 13.0	13.0								
		STEAM AT THROTTLE	660	70	668	650	680	665	665								
TEMPERATURES	L. P. EXHAUST	105	105	100	102	96	96	96									
	CONDENSATE	95	93	89	93	93	92	92									
	CIRC. WATER IN	77	77	75	76	76	74	74									
	CIRC. WATER OUT	84	84	79	83	84	84	84									
	L.O. TO COOLERS	130	129	130	130	128	129	129									
	L.O. FROM COOLERS	110	110	110	110	110	110	110									
	TEMPERATURE THRUST BEARING	117	115	115	116	116	115	115									
	FORWARD H.P. ROTOR BEARING	125	120	120	123	120	120	120									
	AFT. H.P. ROTOR BEARING	126	135	135	137	134	134	134									
	FORWARD L.P. ROTOR BEARING	122	130	130	129	125	125	125									
	AFT. L.P. ROTOR BEARING	130	126	125	128	125	125	125									
		</															

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL						
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL
1200 TO 1600	1	1200	430		9	139	128		64	1200	1200	240	METER AT NOON	92760/40430	ON HAND AT START OF DAY		ON HAND AT START OF DAY		
	2	1200	430		7	121	112		70	1200	1200	240	METER PREVIOUS NOON	80458/82900	EVAPORATED OR RECEIVED		EVAPORATED OR RECEIVED		
1600 TO 2000	1	1200	430		9	140	129		64	1200	1100	240	CONSUMED BY METER	637	ON HAND		ON HAND		
	2	1200	430		7	121	110		70	1200	1200	240	ON HAND AT START OF DAY	10250	CONSUMED		CONSUMED		
2000 TO 2400	1	1200	430		9	140	128		64	1150	1150	240	RECEIVED DURING DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY		
	2	1200	430		7	121	110		70	1150	1150	240	EXPENDED DURING DAY	637	RECEIVED		RECEIVED		
2400 TO 0400	1	1200	430		9	139	128		62	1200	1200	240	REMAINING ON BOARD	9613	ON HAND		ON HAND		
	2	1200	430		7	121	111		70	1200	1200	240	ON HAND AT START OF DAY		CONSUMED		CONSUMED		
0400 TO 0800	1	1200	430		9	120	126		64	1200	1200	240	EVAPORATED OR RECEIVED		ON HAND		ON HAND		
	2	1200	430		7	138	110		68	1200	1200	240	ON HAND		RECEIVED		RECEIVED		
0800 TO 1200	1	1200	430		9	120	110		64	1200	1200	240	CONSUMED		CONSUMED		CONSUMED		
	2	1200	430		7	138	126		70	1200	1200	240	LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)						
L.O. CENTRIFUGE - HOURS OPERATED																			
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200									
3		4		4		4		✓		4									
SUMMARY																			
RUNNING TIME												24 HRS		PROPELLER SLIP (%)					
DETENTION TIME														BBL FUEL/MI					
TOTAL REVOLUTIONS												129845		WIND DIRECTION					
AVERAGE R.P.M.												90.1		STATE OF SEA					
TOTAL MILES BY ENGINE												484		STATE OF WEATHER					
TOTAL MILES BY OBSERVATION												423							

1200-1600 WATCH

UNDERWAY 14 NOZZLES - MACH'Y IN OPERATION - 1 # 2 BOILERS - 1 # 2 F.D. FANS - 1 # 2 MN. F.D. PUMPS - 1 F.O. SERVICE PUMP - 1 MN. CIRC. PUMP - 1 MN. COND. PUMP - ELECTRIC L.O. SERVICE PUMP - AIR COMPRESSOR - STBD STEERING MOTOR - 1 # 2 D.C. GEN'S - F.W. PUMP - M.H. & CONT. EVAPS - PORT BOILER ON CONSTANT BLOW - STARTED ADDING L.O. TO MN. SUMP @ 1400 VIA PURIFIER - CLEANED MN. L.O. STRAINER - CLEANED L.O. PURIFIER - BLEW DOWN MN. & CONT. EVAPS ~~Two~~ TIMES - STEERING CASUALTY DRILL @ 1515 STBY @ 1515 SECURED FROM DRILL @ 1533 4 @ 1533 CHANGED TO PORT STEERING MOTOR.

C-73455220 R.O.M. - P-4997540 S-1684070 WATCH ENGR'S SIGNATURE: *William H. Lippert*

1600-2000 WATCH

UNDERWAY AS BEFORE: STM TO GLAD STM EJECT. TO AFTER COND. SECURED: BLEW TUBES #1 & 2 BOILERS: BLEW DOWN M.V.F. EVAP. Routine Watch CARRIED OUT COMPLIED WITH DEPT ORDERS

WATCH ENGR'S SIGNATURE: *Cliffrey*

2000-2400 WATCH

BLEW DOWN M.V. EVAP. @ ^{R.C.H.} 2030. CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GEN'S. BLEW DOWN M.V. EVAP. @ 2230 CHANGED OVER SETTS @ 2400

WATCH ENGR'S SIGNATURE: *Raymond C. O'Neil*

2400-0400 WATCH

SAME AS BEFORE - BLEW DOWN M.H. & CONTAMINATED EVAPS - COMPLIED WITH NITE ORDERS - ROUTINE WATCH -

WATCH ENGR'S SIGNATURE: *William H. Lippert*

0400-0800 WATCH

C-73520370 F.O.M. - P-5000770 S-1687530 UNDERWAY AS BEFORE: MN CIRC. MINIMUM PHEO.: ROUTINE WATCH:

WATCH ENGR'S SIGNATURE: *Cliffrey*

0800-1200 WATCH

BLEW TUBES P-5- BOILERS. SECURED COMPOUND TK. @ 0825. BLEW DOWN M.V. EVAP. @ 0830. STBY. @ 0931:30, STEERING CASUALTY DRILL. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GEN'S. RUN EMERGENCY DIESEL GEN. FROM 0900 TO 0930. FULL AND. @ 0953:10, CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS. BLEW DOWN M.V. EVAP. @ 1030. CHANGED OVER SETTS. @ 1200. CHANGED OF F.W. SUCTION TO NO. 3 @ 1150.

WATCH ENGR'S SIGNATURE: *Raymond C. O'Neil*

C-73563570M - P-5003010 S-1689750

CHIEF ENGINEER

12-4 - SECURED FILLING MN. L.O. SUMP @ 1535.

	PORT	STBD
PA	1.5	1.0
TA	1.7	1.3
CH	19.47	13.26
PH	10	10
SH	226	276

CHIEF ENGR'S SIGNATURE: *William H. Lippert*

USNS GEN JOHN ROBE TARD 1A OAKLAND NSC OKINAWA P2 12-20/11/65

		WATCH						WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	260	260	260	240	HOTTEST GEAR BEARING FORWARD		147	144	145	148	142	142	
DETENTION TIME								HOTTEST GEAR BEARING AFT		142	142	142	143	142	142	
REVOLUTION COUNTER (END OF WATCH)		7358 5040	736 06580	7363 0120	7365 3760	77240	7369 8990	AUX. COND. CONDENSATE		95	94	94	97	97	92	
TOTAL REVOLUTIONS (FOR WATCH)		21470	21540	23540	23640	23480	21750	1ST STAGE FEED WATER HEATER		110	106	104	110	106	106	
AVERAGE RPM		89.5	87.8	90.5	90.9	91.2	90.6	D. C. FEED WATER HEATER		243	243	242	240	240	240	
F.O. METER (END OF WATCH)		P 5084140 S 1690890	05210 92050	06510 93310	07730 94550	09040 95700	10170 96840	3RD STAGE FEED WATER HEATER								
F.O. CONSUMED			2230	2560	2360	2460	2270	SUPER HEAT		P 720 S 610	715 595	720 595	705 605	710 605	715 615	
PRESSURES		THROTTLE	430	430	430	430	430	430	F.O. TO BURNERS		190	190	190	190	190	190
		H.P. AHEAD	420	420	420	420	420	420	AIR TO FURNACE		P 129 S 122	124 120	129 122	130 124	128 120	124 116
		L.P. AHEAD							F.O. TEMP. IN SETTLING TANKS		P 110 S 110	106 110	100 100	110 110	108 110	98 108
		VACUUM	28.0"	28.	28.0"	28.0"	28.	28.0"	PORT BOILER UPTAKE		310	305	305	310	338	335
		L.O. TO TURBINES	12	12.5	12.5	12.5	12.5	12.4	STBD. BOILER UPTAKE		240	235	235	230	255	255
		AUX. STEAM	150	150	150	150	150	150	F. O. BACK PRESSURE							
		BACK PRESSURE	10	10.5	10	10	10	10	MAIN STEAM		450	450	450	450	450	450
		GLAND STEAM	3	3	3	3	0.0	0.0	F.O. TO BURNERS		150	160	150	150	160	155
		H.P. BLEEDER	65	65	65	66	66	66	MAIN COND. SALINITY		.41	0.41	0.41	0.41	0.41	0.41
		I.P. BLEEDER	8	8.5	8	8	8	8	ENGINE ROOM TEMPERATURE		90	86	85	88	86	85
L.P. BLEEDER	13	13.5	13	13	14	13.5	FIRE ROOM TEMPERATURE		90	86	85	88	86	85		
TEMPERATURES		STEAM AT THROTTLE	670	700	680	700	700	688	NOZZLES IN USE		14	14	14	14	14	14
		L. P. EXHAUST	105	100	100	104	100	100	NO. OF BURNERS IN USE		P 3 S 3	3 3	3 3	3 3	3 3	3 3
		CONDENSATE	95	94	94	97	97	92	BURNER TIP SIZE		P 53/70 S 53/70	53/70 53/70	53/70 53/70	53/70 53/70	53/70 53/70	53/70 53/70
		CIRC. WATER IN	77	78	75	79	79	75	CO ₂ % PORT BOILER		14	14			13	
		CIRC. WATER OUT	85	85	84	87	86	84	CO ₂ % STBD. BOILER		12	12			12	
		L.O. TO COOLERS	130	128	130	130	126	126	OIL LEVEL MAIN SUMP		NORM	N	N	NORM	N	N
		L.O. FROM COOLERS	110	110	110	110	110	110								
		TEMPERATURE THRUST BEARING	116	115	115	116	116	115								
		FORWARD H.P. ROTOR BEARING	123	120	120	123	120	120								
		AFT. H.P. ROTOR BEARING	135	134	135	137	135	135								
FORWARD L.P. ROTOR BEARING	127	125	125	130	124	124										
AFT. L.P. ROTOR BEARING	128	126	125	130	126	126										

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL											
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL			BOILER WATER			LUBE OIL			DIESEL OIL		
1200 TO 1600	1	1200	430		9	121 121	117 117		62	1250	1250	240	METER AT NOON	10170	96840	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND		CONSUMED		
	2	1200	430		7	121 121	130 130		70	1250	125	240	METER PREVIOUS NOON	98760	90450	RECEIVED DURING DAY		RECEIVED		ON HAND		CONSUMED		
1600 TO 2000	1	1200	430		9	120	110		62	1200	1200	240	CONSUMED BY METER		311	ON HAND AT START OF DAY	10250	ON HAND		CONSUMED		ON HAND AT START OF DAY		
	2	1200	430		7	140	129		70	1200	1200	240	EXPENDED DURING DAY		311	RECEIVED DURING DAY		RECEIVED		ON HAND		CONSUMED		
2000 TO 2400	1	1200	430		9	120	110		62	1150	1150	240	REMAINING ON BOARD			ON HAND AT START OF DAY		ON HAND		CONSUMED		ON HAND AT START OF DAY		
	2	1200	430		7	140	129		68	1150	1150	240	ON HAND AT START OF DAY			EVAPORATED OR RECEIVED		RECEIVED		CONSUMED		ON HAND AT START OF DAY		
2400 TO 0400	1	1200	430		9	120	112		62	1100	1100	240	ON HAND			ON HAND		RECEIVED		CONSUMED		ON HAND AT START OF DAY		
	2	1200	430		7	141	128		68	1100	1100	240	CONSUMED			CONSUMED		CONSUMED		CONSUMED		ON HAND AT START OF DAY		
0400 TO 0800	1	1200	430		9	120	110		62	1100	1150	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											
	2	1200	430		7	138	126		68	1100	1150	240	L.O. CENTRIFUGE - HOURS OPERATED											
0800 TO 1200	1	1200	430		9	120	110		64	1150	1150	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200						
	2	1200	430		7	138	126		68	1150	1150	240	4	4	4	4	4	4						
												SUMMARY												
												RUNNING TIME		237413.5		PROPELLER SLIP (%)								
												DETENTION TIME				BBL FUEL/MI								
												TOTAL REVOLUTIONS		135420		WIND DIRECTION								
												AVERAGE R.P.M.		90.2		STATE OF SEA								
												TOTAL MILES BY ENGINE		505		STATE OF WEATHER								
												TOTAL MILES BY OBSERVATION		453										

1200-1600 WATCH

UNDERWAY 14 NOZZLES - MACH'Y IN OPERATION - 1 # 2 BOILERS - 1 # 2 F.D. FANS - 1 # 2 D.C. GENS -
 #1 # 2 M.V. F.D. PUMPS - 7 F.O. SERVICE PUMPS - 1 M.V. COND PUMP - 1 M.V. CORE PUMP - AUX CIRC. PUMP -
 PORT STEERING MOTOR - ELECTRIC L.O. SERVICE PUMP - AIR COMPRESSOR - L.O. PURIFIER - F.W. PUMP -
 V BELT ON #1 AIR COMPRESSOR SEPARATED, OPERATING ON 3 BELTS - BLEW DOWN M.V. & CONT. EVAP -
 F.W. SUCT. 2-PH'S - UNABLE TO FIGURE F.O. CONSUMPTION DUE TO 8-12 WATCH METER READING.
 ROUTINE TESTS & INSPECTIONS

C-73585040 FOM - P-5004140 S-1690890

WATCH ENGR'S SIGNATURE

William W. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE: STBY 1600 EXERCISING STEERING CASUALTY DRILL
 AT 1615: BLEW DOWN M.V. EVAP: ROUTINE WATCH: Complied w/Dept Orders

WATCH ENGR'S SIGNATURE

C. W. Fry

2000-2400 WATCH

2030

BLEW DOWN M.V. EVAP. @ 2030 BLEW DOWN M.V. EVAP. @ 2130 AND @ 2230: RETARDED CLOCK
 20 MINS. @ 2300, CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS,
 CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GENS, PUMPED BILGES, COMPLIED
 WITH NIGHT AND STANDING ORDERS, CHANGED OVER SETTS @ 2400.

WATCH ENGR'S SIGNATURE

R. E. O'Leary

C-73630120 M-P-5006510 S-1693310.

2400-0400 WATCH

MACHINERY AS BEFORE - RETARDED CLOCK 20 MIN @ 0100 - AIR COMPRESSOR
 CONTROL BLOWOUT COIL BLEW OUT @ 0120, CALLED CH. ELECT. @ 0130, REPAIRED
 SAMPS, BACK ON LINE @ 0320 - COMPLIED WITH NITE & STANDING ORDERS -

WATCH ENGR'S SIGNATURE

William W. Leggett

C- FOM P-5007730 S-1694550

0400-0800 WATCH

UNDERWAY AS BEFORE EXCEPT REDUCED SPEED TO MINIMUM ON
 M.V. & AUX. CIRC. PUMPS: SECURED GLAND STEAM TO MAIN TURBINE:
 BLEW DOWN M.V. EVAP: RETARDED CLOCK 20 MIN @ 0500: PER ROUTINE:

WATCH ENGR'S SIGNATURE

C. W. Fry

0800-1200 WATCH

BLEW TUBES P-S-BOILERS, LIFEBOAT MOTORS TESTED AND O.K. @ 0827,
 BLEW DOWN M.V. EVAP. @ 0830-0930-1030
 CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GENS, CHANGED AND CLEANED F.O.
 SUCTION AND DISCH. STRAINERS - CHANGED OVER SETTS @ 1200.

WATCH ENGR'S SIGNATURE

R. E. O'Leary

C-73698990 M-P-5010170 S-1696840

CHIEF ENGINEER

"	PORT	STBD
PA	0.7	0.6
TH	1.0	0.9
CH	9.11	5.39
PH	10	10
SH	250	300

CHIEF ENGR'S SIGNATURE

W. E. Johnston

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
GEN JOHN PAGE TAP 110		1A		OAKLAND USC		OKINAWA		P2		12-11/12-65			
		WATCH						WATCH					
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
RUNNING TIME		240		240		240		240		240		240	
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)		7372 1030		43330		7376 5360		7378 6940		738 08550		7383 0270	
TOTAL REVOLUTIONS (FOR WATCH)		22040		22300		22030		21580		21610		21720	
AVERAGE RPM		91.8		92.9		91.7		89.9		90.1		90.5	
F.O. METER (END OF WATCH)		P 5011250		12300		13380		14420		15480		16530	
		S 1697760		98100		00250		01380		02540		03710	
F.O. CONSUMED		2300		2210		2230		2170		2320		2220	
PRESSURES		THROTTLE		430		430		430		430		430	
		H.P. AHEAD		420		420		420		420		420	
		L.P. AHEAD											
		VACUUM		28.0"		28"		28.0"		28.0"		28.0"	
		L.O. TO TURBINES		12.5		12.5		12.5		12.5		12.4	
		AUX. STEAM		150		150		150		150		150	
		BACK PRESSURE		10		10		12		10		12	
		GLAND STEAM		840		0		0		-		0	
		H.P. BLEEDER		66		68		68		68		68	
		I.P. BLEEDER		8		9		9		8		8	
		L.P. BLEEDER		12.5		14		13.5		14		15	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125		124		125		126		125	
		AFT. L.P. ROTOR BEARING		129		126		125		127		125	
TEMPERATURES		STEAM AT THROTTLE		720		720		675		710		720	
		L. P. EXHAUST		108		96		96		102		98	
		CONDENSATE		92		94		94		90		94	
		CIRC. WATER IN		75		76		76		77		76	
		CIRC. WATER OUT		82		80		84		86		85	
		L.O. TO COOLERS		128		126		126		127		125	
		L.O. FROM COOLERS		110		110		110		110		110	
		TEMPERATURE THRUST BEARING		115		115		115		116		115	
		FORWARD H.P. ROTOR BEARING		122		124		125		122		125	
		AFT. H.P. ROTOR BEARING		135		135		135		135		134	
		FORWARD L.P. ROTOR BEARING		125									

1200-1600 WATCH

UNDERWAY @ 14 NOZZLES - MACHINERY IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.D. FANS -
 #1 & #2 D.C. GEN'S - #1 F.O. SERVICE PUMP - #1 & #2 1 1/4" F.O. PUMPS - ELECTRIC L.O. SERVICE PUMP -
 L.O. PURIFIER - #1 MIN. COND. PUMP - #1 AIR COMPRESSOR - #1 MIN. CIRC. PUMP - AUX CIRC. PUMP -
 F.W. PUMP - PORT STEERING MOTOR - CLEANED L.O. PURIFIER, BACK ON SUMP TO SUMP - HELD
 CASUALTY E-3 HIGH SALINITY IN BOILER 4 MEN PRESENT BRIDGE NOTIFIED - NO
 CHEMICALS AVAILABLE TO TEST SALINITY OF CONDENSATE - ROUTINE TESTS & INSPECTIONS -
 C-73721030 F.O.M. P-5011250 S-1697960 WATCH ENGR'S SIGNATURE: *William W. Leggett*

1600-2000 WATCH

UNDERWAY AS BEFORE:
 Simulated Casualty Drill E-3, HI Salinity in Boiler (4) Men present Bridge Notified:
 ROUTINE WATCH
 Complied w/Dept Orders

WATCH ENGR'S SIGNATURE: *Clifford*

2000-2400 WATCH

BLEW DOWN M.V. EVAP. @ 0830 RCN. 2030 - 2130 - 2230 - 2330.
 CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS. CHANGED AND CLEANED
 L.O. STRAINERS NO. 1-2 D.C. GEN'S. CONDUCTED ENGRNG. CASUALTY DRILL E-3, FWT MASSEY,
 OILER HENDEL, JR. ENG. LYNG, AND WATCH ENGR. PARTICIPATED.
 CHANGED OVER SETTS @ 2400

WATCH ENGR'S SIGNATURE: *Ryan C. Hoff*

2400-0400 WATCH

C-73766360 M-P-5013380 S-1700250
 SAME AS BEFORE - COMPLIED WITH MITE & STANDING ORDERS -

0400-0800 WATCH

C-73786940 F.O.M. P-5014420 S-1701380 WATCH ENGR'S SIGNATURE: *William W. Leggett*
 UNDERWAY AS BEFORE EXCEPT #1 & #3 DC GEN'S BACK IN PARALLEL
 @ 0410: ROUTINE WATCH:

WATCH ENGR'S SIGNATURE: *Clifford*

0800-1200 WATCH

BLEW TUBES P-S BOILERS, LIFEBOAT MOTORS TESTED AND O.K.
 BLEW DOWN M.V. EVAP. @ 0830 - 0930 - 1030. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C.
 GEN'S. CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS.
 CHANGED OVER SETTS @ 1200.

WATCH ENGR'S SIGNATURE: *Ryan C. Hoff*

CHIEF ENGINEER

C-73830270 M-P-5016330 S-1703710

12	PORT	STBD
PA	1.1	0.8
TA	1.5	1.0
CH	0.21	29.0
PH	15	15
SH	274	324

CHIEF ENGR'S SIGNATURE: *William W. Leggett*

USNS GEN. JOHN POPE TAP 110 VOYAGE NO. 1A FROM OAKLAND NSC TO OKINAWA TYPE OF VESSEL R DATE 12-12/13-65

	WATCH						WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240	144	142	142	145	144	144
DETENTION TIME							138	140	140	139	142	122
REVOLUTION COUNTER (END OF WATCH)	7385	73390	7384	7392	42830	7396	93	92	95	95	95	94
TOTAL REVOLUTIONS (FOR WATCH)	21580	21540	23360	23370	22710	21170	545	144	144	144	142	142
AVERAGE RPM	89.9	89.8	89.8	89.9	87.3	88.2	242	242	243	243	242	242
F.O. METER (END OF WATCH)	1704840	1704840	1704840	1704840	1704840	1704840						
F.O. CONSUMED	1707130	2200	2160	2420	2380	2260						
PRESSURES	THROTTLE	440	440	440	440	440						
	H.P. AHEAD	430	430	430	430	430						
	L.P. AHEAD											
	VACUUM	28.0"	28"	28.0"	28.0"	28"						
	L.O. TO TURBINES	12.5	12.5	12.3	12.5	13						
	AUX. STEAM	150	150	150	150	150						
	BACK PRESSURE	10	10	10	10	10						
	GLAND STEAM	-	0	0		0						
	H.P. BLEEDER	66	68	68	66	66						
	I.P. BLEEDER	9	9	9	9	9						
TEMPERATURES	L.P. BLEEDER	13	15	13.0	130	15						
	STEAM AT THROTTLE	705	695	660	700	710						
	L. P. EXHAUST	103	98	98	101	98						
	CONDENSATE	93	93	93	95	95						
	CIRC. WATER IN	77	76	75	76	77						
	CIRC. WATER OUT	83	84	84	84	85						
	L.O. TO COOLERS	127	125	126	127	125						
	L.O. FROM COOLERS	110	110	109	110	110						
	TEMPERATURE THRUST BEARING	116	115	116	116	115						
	FORWARD H.P. ROTOR BEARING	127	125	125	130	126						
MISCELLANEOUS	AFT. H.P. ROTOR BEARING	135	134	135	135	134						
	FORWARD L.P. ROTOR BEARING	121	118	118	126	125						
	AFT. L.P. ROTOR BEARING	126	122	122	127	122						
	MAIN COND. SALINITY											
	ENGINE ROOM TEMPERATURE	88	86	84	84	82						
	FIRE ROOM TEMPERATURE	88	86	84	84	82						
	NOZZLES IN USE	14	14	14	14	14						
	NO. OF BURNERS IN USE	3	3	3	3	3						
	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70						
	CO. % PORT BOILER		14	14	14	14						
PRESSURES	CO. % STBD. BOILER		14		13							
	OIL LEVEL MAIN SUMP	NORM	N	N	N	N						
	MAIN STEAM	460	460	460	460	460						
	F.O. TO BURNERS	140	150	150	150	150						
	PORT BOILER UPTAKE	315	305	305	310	320						
	STBD. BOILER UPTAKE	245	235	235	240	245						
	F. O. BACK PRESSURE											
	MAIN COND. SALINITY		0.41	0.41		0.41						
	ENGINE ROOM TEMPERATURE	88	86	84	84	82						
	FIRE ROOM TEMPERATURE	88	86	84	84	82						
TEMPERATURES	NOZZLES IN USE	14	14	14	14	14						
	NO. OF BURNERS IN USE	3	3	3	3	3						
	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70						
	CO. % PORT BOILER		14	14	14	14						
	CO. % STBD. BOILER		14		13							
	OIL LEVEL MAIN SUMP	NORM	N	N	N	N						
	MAIN STEAM	460	460	460	460	460						
	F.O. TO BURNERS	140	150	150	150	150						
	PORT BOILER UPTAKE	315	305	305	310	320						
	STBD. BOILER UPTAKE	245	235	235	240	245						

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL																																						
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	CONSUMED																									
1200 TO 1600	1	1200	440		9	117	109		64	1250	1250	240	23340/10780	6530/03710	681/707	8807																																			
	2	1200	440		7	140	128		68	1250	1250	240																																							
1600 TO 2000	1	1200	440		9	118	108		64	1200	1200	240																																							
	2	1200	440		7	138	120		68	1200	1200	240																																							
2000 TO 2400	1	1200	440		9	118	108		64	1150	1150	240																																							
	2	1200	440		7	138	126		68	1150	1150	240																																							
2400 TO 0400	1	1200	440		9	117	107		63	1100	1100	240																																							
	2	1200	440		7	140	126		68	1100	1100	240																																							
0400 TO 0800	1	1200	440		9	120	110		64	1150	1150	240																																							
	2	1200	440		7	138	126		68	1150	1150	240																																							
0800 TO 1200	1	1200	440		9	120	110		64	1150	1150	240																																							
	2	1200	440		7	138	126		68	1150	1150	240																																							
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L.O. CENTRIFUGE - HOURS OPERATED																																																			
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4	4	4	4	4	4																																														
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1200-1600 WATCH

UNDERWAY 14 NOZZLES - MACHINERY IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.D. FANS - #1 & #2 D.C. GENS. - #1 & #2 MN. FD. PUMPS - #1 MN. COND. PUMP - MN. AUX. CIRC. PUMP - AUX. CIRC. PUMP - #1 F.O. SERVICE PUMP - ELECTRIC L.O. SERVICE PUMP - L.O. PURIFIER - #1 MN. AIR COMPRESSOR - F.W. PUMP - PORT STEERING MOTOR - M.H. & CONT. EVAPS - FILLED DIST. WATER TK. FROM #1 STBD. - COMPLIED WITH STANDING ORDERS - ROUTINE TESTS & INSPECTIONS -

C-73851850 F.O.M. - P-5017600 S-1704840

WATCH ENGR'S SIGNATURE

William W. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE: BLEW TUBES P/S BOILERS:
Complied w/Dept. Orders:
Routine Watch

WATCH ENGR'S SIGNATURE

C. W. Fry

2000-2400 WATCH

BLEW DOWN THE H.V. EVAP. @ 2030 - 2130 - 2230

CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS. CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GENS. RETARDED CLOCK 20 MINS. @ 2300. PUMPED BILGES. COMPLIED WITH NIGHT AND STANDING ORDERS. CHANGED OVER SETTS @ 2400

C-73896750 M-P-5019890 S-1707130

WATCH ENGR'S SIGNATURE

Rysz C. Dlugosz

2400-0400 WATCH

SAME AS BEFORE - @ 0140 PLUG BLEW IN FWD. EVAP AIR F-TRACTOR AFT. CONDENSER - SECURED EVAP - REPLACED PLUG - PT. EVAP BACK ON LINE - CHANGED & CLEANED GEN. L.O. STRAINERS - COMPLIED WITH NITE & STANDING ORDERS -

UNABLE TO FIGURE F.O. CONSUMPTION

C-73920120 F.O.M. - P-5021100 S-1708370

WATCH ENGR'S SIGNATURE

William W. Leggett

0400-0800 WATCH

UNDERWAY AS BEFORE:

RETARDED CLOCK 20 MIN @ 0500:
BLEW DOWN & SHOCKED EVAPS:
ROUTINE WATCH:

WATCH ENGR'S SIGNATURE

C. W. Fry

0800-1200 WATCH

BLEW TUBES P-S BOILERS, CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS. BLEW DOWN H.V. EVAP. @ 0830 - 0930 -

CHANGED AND CLEANED L.O. STRAINERS NO. 1-2 D.C. GENS. LIFEBOAT MOTORS TESTED AND O.K. CHANGED OVER SETTS @ 1200,

C-73964000 M-P-5023340 S-1710780

WATCH ENGR'S SIGNATURE

Rysz C. Dlugosz

CHIEF ENGINEER

#	PORT	STBD
PA	0.6	0.4
TA	1.0	0.7
CH	4.14	1.66
PH	15	15
SH	298	348

CHIEF ENGR'S SIGNATURE

Rysz C. Dlugosz

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
JOHN JOHN POPE TAP 110		17		OAKLAND, N.S.C.		OKINAWA		P2		12-13/14-65					
		WATCH							WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	210				145	142	135	132	126	
DETENTION TIME										140	142	135	136	127	
REVOLUTION COUNTER (END OF WATCH)		7398 5040	06820	7402 5300	7404 3680	55600				97	96	89	90	85	84
TOTAL REVOLUTIONS (FOR WATCH)		21040	21780	18480	18380	11920				146	147	103	104	108	100
AVERAGE RPM		87.7	90.8	77.0	76.6	56.8				242	242	245	244	244	245
F.O. METER (END OF WATCH)		5021390	25390	26200	26960	27540	27790								
F.O. CONSUMED		1714820	12930	13720	13720	14380	15510								
F.O. CONSUMED		2140	2060	1500	1530	1240	1470								
PRESSURES															
THROTTLE		440	440	440	430	430									
H.P. AHEAD		430	430	300	320										
L.P. AHEAD															
VACUUM		28.0"	28.	28.0"	28.0"	28.	27.5"								
L.O. TO TURBINES		12.5	12.5	12.3	12.3	12.3	12								
AUX. STEAM		150	150	140	135	140	140								
BACK PRESSURE		10	10	10	10	10	10								
GLAND STEAM		-	0	2.3	2	2	2								
H.P. BLEEDER		64	66	-	-	-	-								
I.P. BLEEDER		7.5	7.5	-	-	-	-								
L.P. BLEEDER		14	16	-	-	-	-								
TEMPERATURES															
STEAM AT THROTTLE		710	700	605	680										
L. P. EXHAUST		104	97	92	98	94									
CONDENSATE		97	96	89	90	85	84								
CIRC. WATER IN		80	79	77	77	77	77								
CIRC. WATER OUT		87	88	82	83	83	78								
L.O. TO COOLERS		126	125	120	125	120	116								
L.O. FROM COOLERS		110	110	110	110	110	110								
TEMPERATURE THRUST BEARING		116	116	110	114	114									
FORWARD H.P. ROTOR BEARING		127	126	123	125	120									
AFT. H.P. ROTOR BEARING		135	135	130	133	125									
FORWARD L.P. ROTOR BEARING		120	125	125	126	120									
AFT. L.P. ROTOR BEARING		128	126	125	126	120									
MISCELLANEOUS															
MAIN COND. SALINITY															
ENGINE ROOM TEMPERATURE		86	85	86	86	85	86								
FIRE ROOM TEMPERATURE		86	85	86	86	85	86								
NOZZLES IN USE		14	14	10	10	10	10								
NO. OF BURNERS IN USE		P 3	3	2	2	2	2								
BURNER TIP SIZE		S 3	3	2											

1200-1600 WATCH

UNDERWAY @ 14 NOZZLES - MAINLY IN OPERATION - #1 & #2 BOILERS - #1 & #2 F.D. FANS - #1 D.C. GEN - #1 & #2 M.V. FD. PUMPS - #1 F.O. SERVICE PUMPS - #1 M.V. COND. PUMP - M.V. CIRC. PUMP - ELECTRIC L.O. SERVICE PUMP - AUX. CIRC. PUMP - L.O. PURIFIER - #1 AIR COMPRESSOR - PORT STEERING MOTOR - F.W. PUMP - #2 GEN. TAKEN OFF LINE & SECURED @ 1400 - L.O. PURIFIER ON #2 GEN. SUMP TO SUMP @ 1445 - ROUTINE TESTS & INSPECTIONS -

M.V. F. SUCTION #1 STBD - F.W. SUCTION 2 P.S. - ADDED 5 GAL. L.O. TO #2 M.V. FD. PUMP -

C-73955040

F.O.M. - P-5024390

S-1711820

WATCH ENGR'S SIGNATURE

William W. Lippert

1600-2000 WATCH

UNDERWAY AS BEFORE:

BLEW TUBES PORT/STBD BOILERS:

COMPLIED W/DEPT ORDERS:

ROUTINE WATCH:

REDUCE SPEED TO 78 RPM B/O BRIDGE @ 2000: CUT IN 70TH RES. STA.: SEC ALL EXTRACT-ION VALVES CUT IN GLAND STEAM TO M.V. UNIT.

WATCH ENGR'S SIGNATURE

C. W. Grey

2000-2400 WATCH

UNDERWAY AS BEFORE. BLEW DOWN M.V. EVAP. @ 2100 - 2200 - 2300.

CHANGED AND CLEANED F.O. SUCTION AND DISCH. STRAINERS, CHANGED AND CLEANED

L.O. STRAINERS NO. 1-2 D.C. GEN'S.

CHANGED OVER SETTS @ 2400

OILER HEMPEL UNABLE TO TAKE STACK TEMP. READINGS, FEARFUL FOR HIS PERSONAL SAFETY.

C-74025300 M - P-5026200 S-1713720

WATCH ENGR'S SIGNATURE

Reginald C. Hoffman

2400-0400 WATCH

MACHINERY AS BEFORE - EXCEPT L.O. SECURED FROM #2 GEN SUMP - CLEANED & BACK ON MAIN UNIT SUMP TO SUMP - CHANGED M.V. FD. TO DEV. DR. TK @ 0030. - @ 0145 GASKET ON 70TH ^{13. H.P.} ^{STAGE} BLADDER VALVE BLEW - TIGHTENED NUTS TO REDUCE BLEW OFF - COMPLIED WITH NITE ORDERS -

C-74043680 F.O.M. - P-5026960 S-1714190

WATCH ENGR'S SIGNATURE

William W. Lippert

0400-0800 WATCH

UNDERWAY AS BEFORE EXCEPT. REDUCED SPEED TO 60 RPM @ 0400 B/O BRIDGE: BLEW DOWN & SHOCKED M.V. EVAP. SUCTION ON #1 RES. FD.: 54 RPM @ 0700 ^{STAGE} ^{13. H.P.} ^{STAGE} @ 0725 40 RPM B/O BRIDGE: INCREASE SPD TO 60 RPM @ 0734: BELLS AS PER BELL BOOK

C-74055600: P.F.O.M. 5027540: S.F.O.M. 1714380 @ 0730

WATCH ENGR'S SIGNATURE

C. W. Grey

0800-1200 WATCH

F.W.E. @ 0910, C-74060570, F.O.M. P-5027760 S-1715230. BELLS AS PER BELL BOOK, STARTED TAKING F.O. @ 1025, CLOSED M.V. AND BLKND. STOPS @ 0912, M.V. UNIT ON JACKING GEAR @ 0915, CUT OUT PORT BOILER @ 0930, CLOSE SUPERHTR. VENTS @ 250 P.S.I. B/O 1ST ASST. X FD. FROM NO. 1 STBD. CHANGED OVER SETTS @ 1200.

F.O.M. @ NOON P-5027780 S-1715510

WATCH ENGR'S SIGNATURE

Reginald C. Hoffman

CHIEF ENGINEER

	PORT	STBD
PA	1.1	0.6
TA	1.4	1.0
CH	2.49	1.24
PH	10	10
SH	372	372

CHIEF ENGR'S SIGNATURE

M. E. Johnson

USNS GEN. Pope TAP-110 VOYAGE NO. 13 @CKMWA TO PHILIPINON TYPE OF VESSEL P2 DATE 12-14/15/65

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME					30	240	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD				125	145
DETENTION TIME								HOTTEST GEAR BEARING AFT				125	140
REVOLUTION COUNTER (END OF WATCH)						7408 5380		AUX. COND. CONDENSATE	83	83	83	81	83 98
TOTAL REVOLUTIONS (FOR WATCH)								1ST STAGE FEED WATER HEATER				100	150
AVERAGE RPM								D. C. FEED WATER HEATER	245	245	245	244	244 245
F.O. METER (END OF WATCH)	5017780	27980	27980	27980	27980	27980		3RD STAGE FEED WATER HEATER					
F.O. CONSUMED	460	590			1090		BOILER PARTICULARS	SUPER HEAT	P			610	615
THROTTLE					435				S	545	545	545	540 550 690
H.P. AHEAD					425			F.O. TO BURNERS		190	190	190	190
L.P. AHEAD					0			AIR TO FURNACE	P			120	134
VACUUM	28.0"	28.0"	28.0"	28.0"	28.0"	28.0"			S			120	134
L.O. TO TURBINES	9.5	9	8.5	8	12	12		F.O. TEMP. IN SETTLING TANKS	P	110	110	100	112 112 98
AUX. STEAM	135	140	140	140	140	150			S	110	110	100	110 110 104
BACK PRESSURE	10	10	10	10	10	11		PORT BOILER UPTAKE				310	320
GLAND STEAM	3	3	3	3	25	4		STBD. BOILER UPTAKE		235	235	235	205 210 215
H.P. BLEEDER					70			F. O. BACK PRESSURE					
I.P. BLEEDER					9.4			MAIN STEAM		450	450	450	450 450 450
L.P. BLEEDER					13			F.O. TO BURNERS		160	160	200	180 150 145
STEAM AT THROTTLE					670		MISCELLANEOUS	MAIN COND. SALINITY				83	0.83 0.83
L. P. EXHAUST	168	145	135	126	90	98		ENGINE ROOM TEMPERATURE		86	86	86	78 78 89
CONDENSATE	83	83	83	81	83	98		FIRE ROOM TEMPERATURE		86	86	86	78 78 89
CIRC. WATER IN	76	76	76	76	76	78		NOZZLES IN USE					14
CIRC. WATER OUT	77	77	77	79	82	88		NO. OF BURNERS IN USE	P				1 3
L.O. TO COOLERS	117	117	117	117	116	126			S	2	2	2	2 2 3
L.O. FROM COOLERS	113	108	110	114	110	110		BURNER TIP SIZE	P				53/60 53/60 53/60
TEMPERATURE THRUST BEARING					125	118			S	53/60 60/60	53/60 60/60	53/70 53/70	53/60 53/60
FORWARD H.P. ROTOR BEARING					125	130		CO ₂ % PORT BOILER					
AFT. H.P. ROTOR BEARING					125	125		CO ₂ % STBD. BOILER					
FORWARD L.P. ROTOR BEARING					125	135		OIL LEVEL MAIN SUMP		NORM	NORM	NORM	NORM
AFT. L.P. ROTOR BEARING					125	130							

GENERATORS													FUEL - WATER AND LUBE OIL							
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600	1	1200	430		9	119	109		63	1100	1100	240	METER AT NOON	29360/18200		ON HAND AT START OF DAY				
													METER PREVIOUS NOON	27780/15510		EVAPORATED OR RECEIVED				
													CONSUMED BY METER			ON HAND				
													ON HAND AT START OF DAY	8305		CONSUMED				
1600 TO 2000	1	1200	430		9	120	110		62	800	800	240	RECEIVED DURING DAY			ON HAND AT START OF DAY				
													EXPENDED DURING DAY	100/161		RECEIVED				
													REMAINING ON BOARD	8044		ON HAND				
													ON HAND AT START OF DAY			CONSUMED				
2000 TO 2400	1	1200	430		9	120	110		62	800	800	240	EVAPORATED OR RECEIVED			ON HAND				
													ON HAND			RECEIVED				
													CONSUMED			CONSUMED				
2400 TO 0400	1	1200	430		9	120	110		62	900	900	240								
0400 TO 0800	1	1200	430		9	120	110		62	800	800	240								
0800 TO 1200	1	1200	430		9	120	110		63	1100	1700	240								

LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4
SUMMARY					
RUNNING TIME		PROPELLER SLIP (%)			
DETENTION TIME		BBL FUEL/MI			
TOTAL REVOLUTIONS		WIND DIRECTION			
AVERAGE R.P.M.		STATE OF SEA			
TOTAL MILES BY ENGINE		STATE OF WEATHER			
TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

DOCKED @ NAVA ARMY PIER OKINAWA PORT SIDE TO - MACH IN OPERATION.
 #1 BOILER - #1 F.D. FAN - #2 MN. FD. PUMP - M.U. & CONT. EVAPS - #1 F.O. SERVICE
 PUMP - MN. CIRC. PUMP - 1 MN. COND. PUMP - L.O. PURIFIER - ELECTRIC HD PUMP - #1 D.C. GEN -
 F.W. PUMP - MN. AIR COMPRESSOR - WATCH COMPLYING WITH IN-PORT ~~WORK~~ ^{REPAIR} WORK LIST -
 MACHINIST WORKING ON #1 MN. FD. PUMP -

F.O.M. - P-5027780 S-1715920

WATCH ENGR'S SIGNATURE

William W. Leggett

1600-2000 WATCH

AS BEFORE - WATCH WORKING ON IN-PORT WORK LIST -
 HIT OFF PORT BLR. TO 400LBS - REPAIRED STEAM ADJUSTING VALVE
 TO BURNER ON #2 BLR.

WATCH ENGR'S SIGNATURE

W. J. Gray

2000-2400 WATCH

CHANGED AND CLEANED L.O. STRAINER NO. 1 D.C. GEN. CHANGED AND CLEANED
 F.O. SUCTION AND DISCH. STRAINER. MAINTAINING PRESS. ON PORT BOILER.
 COMPLIED WITH NIGHT AND STANDING ORDERS. F.W.T. MASSEY FAILED TO REPORT
 FOR WATCH. CHANGED OVER SETTS. @ 2400

F.O.M. P-5027850 S-1716360

WATCH ENGR'S SIGNATURE

Roger C. Haly

2400-0400 WATCH

SAME AS BEFORE - MAINTAINED PRESSURE ON PORT BOILER -
 F.W.T. MCGEE FELL THRU SCAFFOLDING BEHIND BOILERS IN PERFORMANCE OF
 DUTIES - REPORTED TO SICK BAY @ 0120 - RETURNED @ 0140 - DIAGNOSIS AT
 PER SICK BAY REPORT - CHANGED MN. FD. PUMP TO #1 @ 0315 - COMPLIED WITH
 NITE & STANDING ORDERS - SALINITY INDICATOR SOUNDING SPASMODICALLY ~~FOR~~ ^{FOR} CHEMICALS
 TO VERIFY SALINITY READ O.K. - CATWALK BEHIND BOILERS "SAFETY HAZARD"

WATCH ENGR'S SIGNATURE

William W. Leggett

0400-0800 WATCH

MACH AS BEFORE
 #2 Boiler Cut in @ 0430: Screw Clearance from Bridge @ 0520 Jacking
 Gear Disengaged & Rolling Mn UNIT: TESTED TELEG. & SYNCH CLUCH W/BIDGE @ 0530:
 STBY 0638: CTR 74061380: P-F.O.M. 5028050: S-F.O.M. 1717090: STEERING
 ENCLRM MANNED: BELLS AS PER BELL BOOK #4 SETT. WILL HAVE A MIXTURE OF
 F.O. MOSTLY NAVY SPEC.: DEPT @ 0730 INCREASE SPEED TO 14 KNOTS: TEMP & PRESSURE
 READINGS VARIOUS: CTR @ DEPT 74062810: P-F.O.M. 5028120: S-F.O.M. 1717120

WATCH ENGR'S SIGNATURE

W. J. Gray

0800-1200 WATCH

LIFE BOATS TESTED AND O.K., BLEW TUBES P-S-BOILERS, CHANGED AND CLEANED F.O.
 SUCTION AND DISCH. STRAINERS, CHANGED AND CLEANED L.O. STRAINER NO. 1 D.C. GEN,
 CHANGED OVER SETTS @ 1200.

C-74086380 M-P-5029260 S-1718250

WATCH ENGR'S SIGNATURE

Roger C. Haly

CHIEF ENGINEER

	PORT	STARBOARD
PA	1.7	1.5
TA	2.2	1.8
CH	1.3	0.6
PH	40	20
SH	330	396

CHIEF ENGR'S SIGNATURE

W. J. Gray